Honeywell

ScanPal EDA71

Enterprise Tablet

powered by Android™

User Guide

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Customer Support

Technical Assistance

To search our knowledge base for a solution or to log in to the Technical Support portal and report a problem, go to www.honeywellaidc.com/working-with-us/contact-technical-support.

For our latest contact information, see www.honeywellaidc.com/locations.

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For ongoing and future product quality improvement initiatives, the tablet comes equipped with an embedded device lifetime counter function. Honeywell may use the lifetime counter data for future statistical reliability analysis as well as ongoing quality, repair and service purposes.

Limited Warranty

For warranty information, go to www.honeywellaidc.com and click **Resources** > **Product Warranty**.

ABOUT THE TABLET FEATURES

This chapter introduces the ScanPal™ EDA71 Enterprise tablet. Use this chapter to learn about the basic tablet features, functions, and accessories.

Note: *Device applications and settings vary by tablet model and OS version. Your tablet may not include all the features shown in the manual.*

About the Tablet

Note: *Throughout this manual, all versions of the tablet are referred to as the EDA71 unless information is specific to a particular model.*

Honeywell EDA71 Enterprise Tablet is a smart phone for enterprise users, delivering stable and secure enterprise data management and wireless communications through Android operating system. The main features of ScanPal EDA71 are:

- Android™ OS.
- 2 GB dynamic RAM and 32GB flash memory / 4 GB dynamic RAM and 64GB flash memory.
- Large display with sensitive multi-touch screen.
- High-performance area imaging features with an ergonomic scan trigger.
- LTE/UMTS/CDMA/GSM wireless WAN communications ensure high-speed data transmission and high-fidelity sound support for all network technologies. (EDA71-1 WWAN models only.)
- IEEE 802.11a/b/g/n/ac.
- Bluetooth 4.2.
- Near-field communication (NFC) technology for short-range wireless data transmission.
- High value-added software components support professional imaging and Optical Character Recognition (OCR) features.
- IP64 Ingress Protection.

- Reliable Micro SD slot that supports up to 128GB expansion.
- Integrated GPS receiver. (EDA71-1 WWAN models only.)
- 13 mega pixel color camera.

Front View

Back View

Camera Flash/Flashlight

Camera Lens

Speaker

NFC Antenna Location

Power Button

Scan Button

SIM Card Cover/Slot

Battery Door Latch

microSD Card Slot

I/O Connector

Battery Door
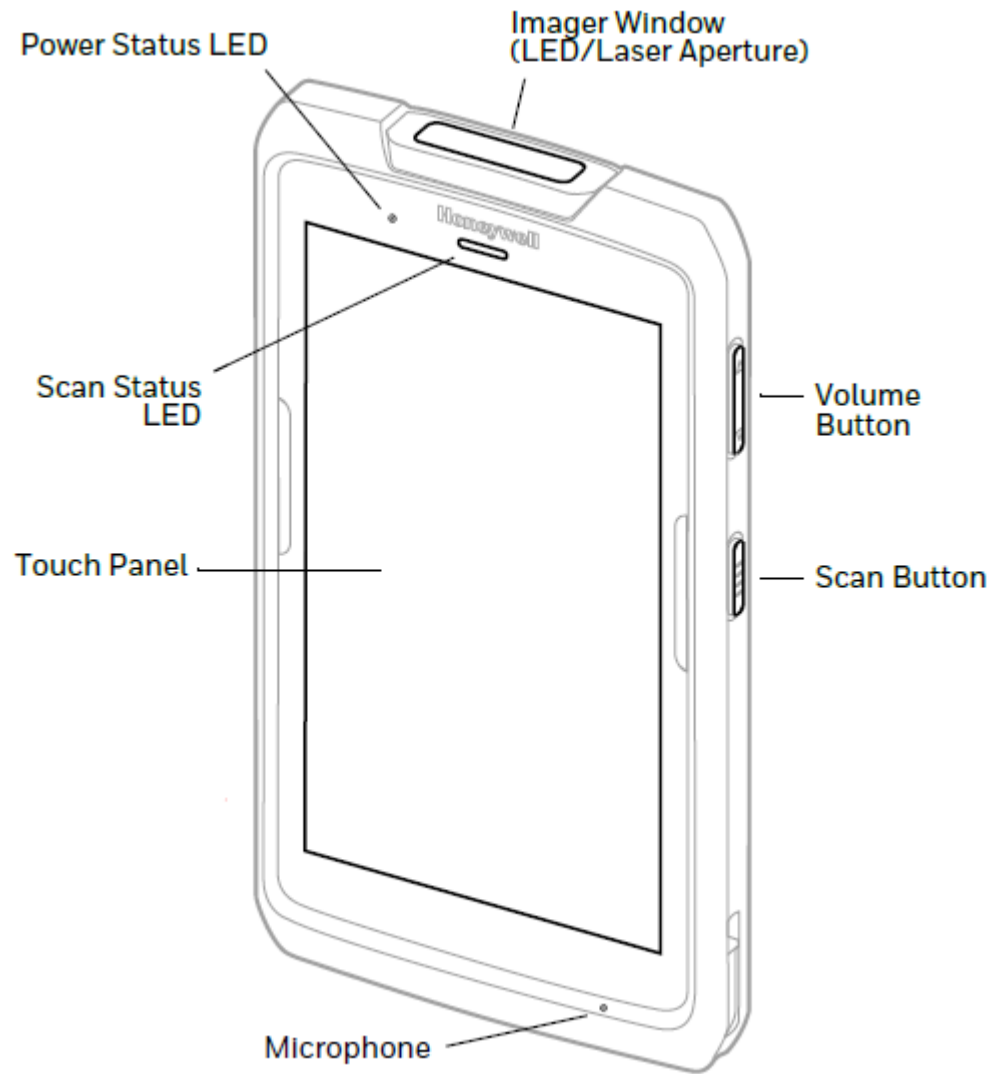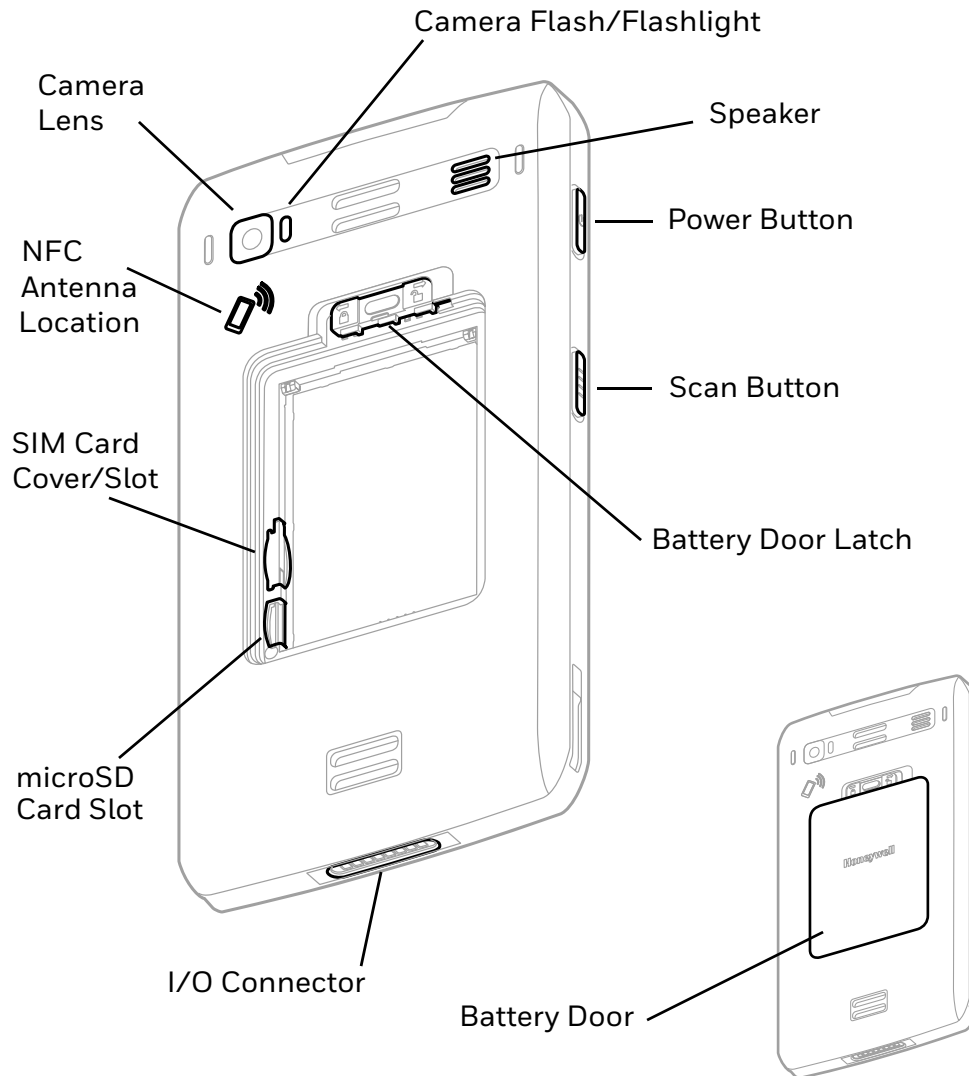
About the Battery

EDA71 uses 3.8V rechargeable lithium ion battery as its main power supply. The battery capacity is 15.2 watt/hour. Battery life is influenced by many factors, such as: screen brightness, the length of time before the screen automatically go to sleep, input configurations, extreme temperature and using behaviors, etc.

Note: *Honeywell suggests you to keep the battery charged to avoid data loss. Change battery only after switching off the device as per normal. Switch on the device after completing change of battery.*

If you need to buy a replaceable battery, please contact regional resellers.

Honeywell recommends using only a Honeywell lithium battery; any damage caused by use of non-Honeywell battery is not covered by warranty.

Warning: Improper use of the battery in this device can cause fire or chemical burns. Please do not disassemble the battery or heat it to 100ºC (212ºF) and above, or incinerate the battery. Make sure waste batteries are properly disposed. Keep out of reach of children.

Warning: Do not store the battery without using for a long period of time. If storing the battery for over 3 months, please make sure to check the remaining battery power capacity is at least 30% every 3 months.

Battery Part Numbers

Warning: Read Battery Recommendations and Safety Protections and all cautionary markings on the battery, charging peripheral, and device using the battery before attempting to install, use, or charge the battery.

Battery Model Number	Battery Part Numbers
BAT-EDA50	50129589-001 50134176-001 (For use in North America)
EDA70-EXT	50141821-001

Charge the Battery Before Use

Before using EDA71, you need to make sure the battery (model number: BAT-EDA50) is fully charged. You can charge the battery before or after installing it to EDA71. It will take about **5 hours** for the battery to be fully charged using original charger, quad bay charger, or single cradle charger.

Note: *Honeywell recommends recommend using Honeywell's original charger; any damage caused by use of non-Honeywell charger is not covered by warranty.*

Warning: Ensure all components are dry prior to mating the tablets and batteries with peripheral devices. Mating wet components may cause damage not covered by the warranty.

Note: *Using the tablet while charging the battery increases the time required to reach a full charge.*

Remove the Battery

If your battery power is low, you need to either charge the battery in the tablet, or replace it with a charged battery.

To change the battery:

1. Save all files and close any open applications.
2. Press and hold the **Power** button until the options menu appears:
3. Tap **Power off**.

Once the tablet is powered off:

1. Press down the battery cover safety button to move the lock to the unlock position.
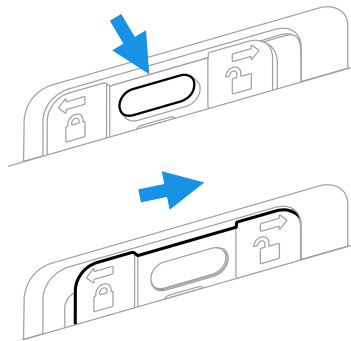
2. Open the battery cover with the battery cover buckle handle.
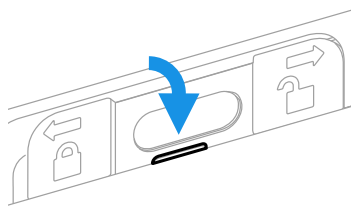
3. Insert the battery (insert the non-connector side first, then press the battery down to establish a connection between the battery and the phone).

4. Press down the battery cover.

5. Press down the battery cover safety button to move the battery cover safety lock to the lock position.
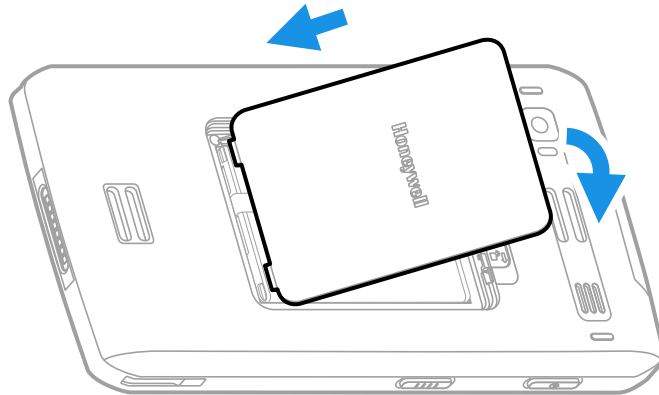
About the Battery Status

Use the battery icon in the Status bar at the top of the screen to see the charge level of your battery. If you want more detailed information on your battery, such as usage time, charge remaining on the battery, or battery health information,

open the **Settings** app ⚙ and tap **Honeywell Settings** > **Battery Optimizer**.

Battery Status Icons

Icon	Status
🔋	The battery charge is at 100%.
🔋	The battery charge is at 50%.
🔋	The battery charge is low. You need to charge or replace the battery soon.
🔋	The battery is critically low. You need to replace the battery now or connect the tablet to a charging accessory.
🔋	The tablet is connected to external power and the battery is charging.
🔋	There is a battery error. Install another battery. If the problem persists, contact Honeywell technical Support.

The Battery status LED appears in the upper right corner of the touch screen. The LED color and behavior (e.g., steady on, blinking, off) indicates the charging status of the battery. To view status descriptions and to learn how to modify the Battery LED behavior, see

About the Battery Status LED Setting

You can change the behavior of the Battery status LED if the out-of-box behavior for a charging battery (blinking green) is not acceptable to your environment.

You can choose one of three options:

* Honeywell Battery LED (factory default, out-of-box configuration)
* Default Battery LED (optional Android OS configuration)
* No Battery LED

Honeywell Battery LED Behavior (Factory Default/Out-of-Box Configuration)

Connected to Power	LED State	Description
No	Blinking amber	Battery level is below 15%
No	Off	Battery level is more than 15%
Yes	Steady amber	Battery level is between 0% and 60%
Yes	Blinking green	Battery level is between 60% and 95%
Yes	Steady green	Battery level is above 95%
Either	Blinking red	Battery error

Default Battery LED Behavior (Optional Android OS Configuration)

Connected to Power	LED State	Description
No	Blinking red	Battery level is below 15%
No	Off	Battery level is 15% or more
Yes	Steady red	Battery level is below 15%
Yes	Steady amber	Battery level is between 15% and 90%
Yes	Steady green	Battery level is 90% or more
No	Blinking red	Battery level is below 15%

Select the No battery LED setting if you want to use the LED as a notification LED for applications or device management solutions. For more information on how to use the LED as a notification LED, see http://developer.android.com/guide/topics/ui/notifiers/notifications.html.

Change the Battery LED Status Behavior

To change the battery status LED behavior:

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Battery LED**.

3. Choose one of the options:

    •   **Default Battery LED** (optional Android OS configuration)

    •   **Honeywell Battery LED** (factory default/out-of-box configuration)

    •   **No Battery LED**

Check the Battery Level and Usage

In addition to the Battery status icon and LED, you can monitor the battery status from the Settings app.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Battery**.

The current percentage of battery power remaining and the amount of usage time left on the battery appear on the screen. A list shows the battery usage for individual apps and services. For usage details, select one of the apps or services in the list. You can also access the **Battery Saver** feature from the battery screen.

About Battery Life and Conservation

Use the reference table below to learn about how to conserve battery power. To learn more about proper battery care, refer to the *Battery Maintenance for Portable Devices white paper available at* www.honeywell.com.

When You Want to:	Do this to Save Battery Power:
Use the tablet and the low battery status icon appears or the battery light turns on.	Do one of the following: • Connect the tablet to a charging accessory. • Remove the Battery (see page 5).
Stop using the tablet for tablet5 minutes or more.	Make sure that the low battery status icon is not on the screen and that the battery status LED is not on. Press and release the **Power** button to put the tablet to sleep.
Store the tablet for more than a day.	• If you are storing the tablet for a few days (e.g., over the weekend), install a fully charged battery or connect the tablet to a power source. • If you are storing the tablet for a longer period of time, remove and charge the battery. When the battery is done charging, store both the battery and the tablet in a cool location. • If you store the battery for several months, recharge the battery periodically to keep it at peak performance.
Store the battery outside of the tablet.	Batteries self-discharge slowly over time, even when they are not installed in the tablet. At a minimum, check stored batteries every three months for their charge state. Recharge as needed.

Battery Recommendations and Safety Protections

> ⚠ **Caution:** **Improper battery replacement or incompatible device usage may result in risk of burns, fire, explosion, or other hazard. Dispose of lithium-ion batteries according to local regulations. Risk of fire and burns if improperly handled. Do not open, crush, heat above 60°C (140°F), or incinerate.**

- For maximum battery life, charge the battery at 20 °C (68 °F) to 25 °C (77 °F) and store at 20 °C (68°F) with a 30%-50% charge.

- Do not store the battery at temperatures above 60 °C (140 °F). Storage above 60 °C (140 °F) may damage the battery.

- Charge the battery before use. Battery ships with only a partial charge.

- Refer to Charge the Battery Before Use to get the right process for battery charging. Using the battery for other devices may cause damages on the device or the battery.

- Avoid battery or tablet drops. If you suspect that a battery or tablet fails, send it to Honeywell service center for verification.

- Avoid dropping the battery or tablet. If you suspect that the battery or tablet is damaged, send it to Honeywell service center for inspection.

- Replace the battery only with another BAT-EDA50 model battery that matches the part number noted in the Battery Part Numbers section of this guide. This battery has been tested and meet the appropriate safety standards. Contact your Honeywell sales representative or distributor if this battery is no longer available.

- Discarded batteries may create a safety hazard. Before disposal, cover the battery contacts with electrical insulating tape.

- Do not modify the battery or attempt to insert foreign objects into it.

- Do not solder directly to the battery contacts.

- Do not drop the battery or apply mechanical shocks or pressure to it.

- Do not immerse batteries into, or expose them to, water or seawater.

- Do not incinerate, microwave, throw into a fire, or expose batteries to temperatures above the maximum rating.

- Do not dissemble a battery or try to open or penetrate its housing.

Enable Airplane Mode

If you do not need to connect to any wireless networks, you can enable Airplane mode to turn Off the radios and save battery power.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Network & Internet** > **Advanced**.

3. Tap the toggle button next to **Airplane mode**. An airplane icon appears in the status bar to indicate Airplane mode is turned On.

Power on the Tablet

After you have fully charged and installed a battery, power on the tablet for the first time:

- Press and hold the **Power** button for approximately 3 seconds, and then release the button.

Unlock the Screen

The screen lock automatically activates every time the tablet is powered on or when the tablet wakes from sleep mode. The level of security provided depends on the type of lock set (e.g., Swipe, Pattern, PIN, or Password).

The default setting is Swipe, which provides no protection against unauthorized access to your tablet.

- On the lock screen, swipe up from the bottom of the screen.

Change the Screen Lock to Protect the Tablet

After you start using the tablet, you should change the screen lock to prevent unauthorized persons from accessing the tablet after the screen lock activates unless they input the correct password, pin, or pattern.

The recommended setting for the Screen lock is to enable a Password lock. Use a strong password value (e.g., include numbers, characters, special characters, and mix character case).

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Security** > **Screen lock**.

3. Choose one of the following options:

- **None**
- **Swipe**
- **Pattern**
- **PIN**
- **Password**

4. Follow the on-screen prompts to complete the setup.

Exit the Settings app.

Select a Touch Screen Profile to Optimize Performance

Optimize screen interactions by selecting a touch screen profile designed specifically for your use case. For example, if you wear gloves, set the touch screen profile to Glove use enhanced for the best touch screen response.

Note: *Maximum glove thickness of 2 mm (0.08 inches) for touch screen response.*

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** > **Honeywell Settings.**

3. Tap the toggle button next to **Glove Mode**.

4. Exit the Settings app.

Configure the Screen Backlight

The display has an ambient light sensor that automatically adjusts the backlight intensity to conserve power and ensure the display is readable. You can also manually set the backlight intensity if you do not want to use the automated adaptive brightness feature.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** > **Display**.

3. Choose one of the following options:

- To have the tablet automatically adjust the brightness for your work environment, turn On the **Adaptive brightness** setting. You can tap **Adaptive brightness** to toggle the feature On or Off.

- To set the brightness level manually, verify the Adaptive brightness feature is turned Off, and tap **Brightness level**. Adjust the slider to set the brightness level.

About the Scan Status LED

The Scan Status LED indicates the read status of the imager when scanning a bar-code.
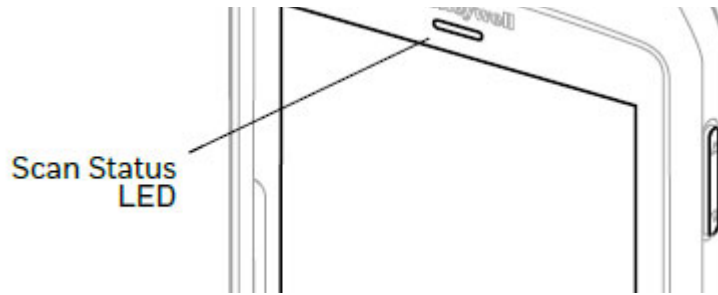
Scan Status LED Descriptions

LED Color	Description
Green	Good read of a barcode.
Blinking green	The data collection engine is processing or starting up.
Red	Failure to scan barcode. Check to make sure you have the correct symbology enabled.

About Audio Features

EDA71 is equipped with a speaker, receiver, and software utilities for volume setting.

Adjusting the ringtone volume for calls and messages with the volume key on the side of the tablet, you can quickly adjust the ringtone volume.

Adjust Speaker Volume

Use the volume buttons on the right side of the tablet to adjust the volume of ringtones, media, notifications or alarms.

Note: *The volume setting varies by OS version.*

1. Press either the **Volume Up** or **Volume Down** button. The volume slider appears.
2. Depending on OS version:
   - Tap the down arrow ⌄ to expand the options, or
   - Tap ⚙ for Sound Settings.

Enable Vibrate Mode

You can quickly enable Vibrate mode so the tablet vibrates instead of emitting sound for notifications and rings. If you still want to hear alarms, turn on the Alarms only feature.

Note: *The Vibrate mode varies by OS version.*

Depending on OS version:

1. Press the Volume down button until the tablet vibrates.
2. To turn on the Alarms only feature, press the Volume Down button again with the volume slider open.

OR

1. Press one of the Volume buttons until the volume slider appears.

2. Tap 🔔 to toggle between Vibrate, Off, and On.

The status bar at the top of the screen indicates the active mode:

- When Vibrate mode is active, ᴵ�口 ᴵ appears.

- When Alarms only mode is active, the Do Not Disturb icon ⊖ appears.

Audio Settings

This section describes the audio settings you an configure in the Settings app.

To change audio settings, select the **Settings** app ⚙ and tap **Sound**.

Note: *Sound settings are model dependent. Some settings may not be available for your model type.*

Sound Settings

Setting	Description
Media Volume	Use the sliders to set the volume for media (e.g., music, videos, and games), calls, alarms and rings (notifications and ringtones).
Call Volume	
Alarm Volume	
Ring Volume	
Vibrate for calls	Select to enable vibrate mode when the phone is ringing.
Do Not Disturb	Select to set which notifications to let through when you have Do Not Disturb turned On and when you want to be left alone.
Shortcut to prevent ringing	Set Press Power & Volume Up together. Options include: Vibrate, Mute, and Do Nothing.

Setting	Description
Phone ringtone	Select a default ringtone.
Default notification ringtone	Select a notification sound.
Default alarm ringtone	Select a alarm sound.
Advanced	
Dial pad tones	Enable or disable an audio sounds when you use the phone dial pad.
Screen locking sounds	Enable or disable an audio tone when the screen is locked.
Charging sounds and vibration	Enable or disable an audio tone when the tablet is charging.
Touch sounds	Enable or disable audio sounds when you use the touch screen.
Touch vibration	Enable or disable vibrate mode when you touch the screen.

Insert a microSIM or a microSD Card

Only EDA71-1 (WWAN) models support SIM card use for cellular phone features.

SIM slot feature on EDA71-0 (WLAN) models is limited to UICC card use for NFC Secure Element NFC link encryption only.

Note: *Format the memory card before initial use.*

! **Caution:** **Always power off the tablet before attempting to install or remove a card.**

1. Save your files and close any open applications.
2. Press and hold the **Power** button until the options menu appears.
3. Tap **Power off.**
4. Press down the battery cover safety button to move the lock to the unlock position at right.
5. Open the battery cover with the battery cover buckle handle.
6. Open the battery connector side, then pull out the battery.
7. Open the microSIM card's silicone cover and insert the card.

microSIM
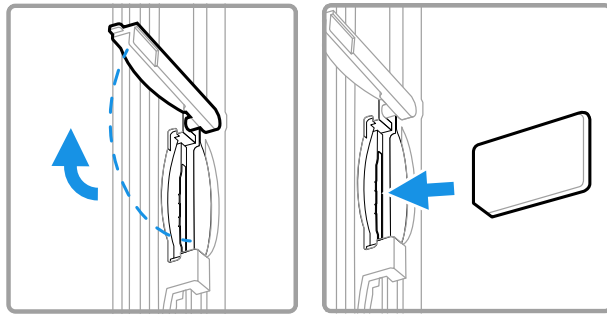
microSD
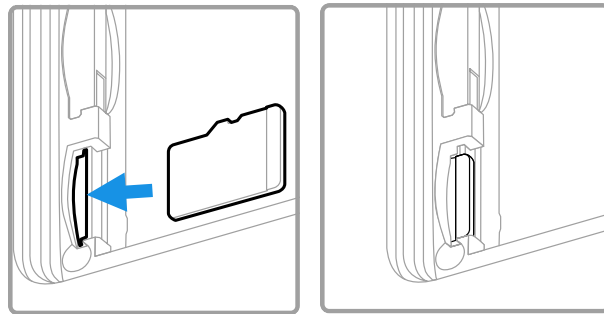
8. Close the microSIM card silicone cover.

9. Insert the battery (first insert the top before pressing the bottom in order for the battery to be connected to the device).

10. Press down the battery cover and slide the battery cover handle to lock it.

11. Turn on the device.

How to Transfer Files

To transfer files you need to physically connect the tablet to your workstation (e.g., laptop or desktop tablet) through a USB connection. When the tablet is connected and USB is configured for file or photo transfer, use a file browser (e.g., File Explorer or Windows Explorer) on your workstation to transfer files between the two tablets. If you are transferring files to and from a Mac, use the Android File Transfer application (available from www.android.com/filetransfer).

Note: *File transfer through a USB connection is disabled by default. You need to configure the USB connection for transferring files or photos.*

Configure USB Connection and Transfer Files

The EDA71 supports Hi-Speed USB communications (USB2.0) with maximum data transfer rate of 480 Mbps.

1. Connect your tablet to your workstation.

2. On the tablet, swipe down from the top of the screen to see the notifications.

3. Tap the **Android System USB** charging notification twice to open the options menu.

4. Select either **File transfer** or **PTP (transfer photos)**.

5. Open the file browser on your workstation.

6. Browse to the EDA71. You can now copy, delete, or move files between the EDA71 and your workstation.

Accessories for the Tablet

The EDA71 ships with a partially discharged battery. All other accessories are ordered and shipped separately.

For more information about accessories, see the *ScanPal EDA70/EDA71 Series Tablet Accessories Guide* at www.honeywellaidc.com.

USER INTERFACE AND APPLICATIONS

Use this chapter to learn about the user interface and how to interact with the screen. You can also use this chapter to learn about the Honeywell applications on the tablet.

About the User Interface

The Android operating system provides a touch-friendly and easy- to-navigate user interface. When you turn on the tablet, the Home screen is the first screen that appears after language provisioning and the startup Wizard is complete.

Notification/Status Bar

Home Screen Panel

Favorites Tray

Search Bar
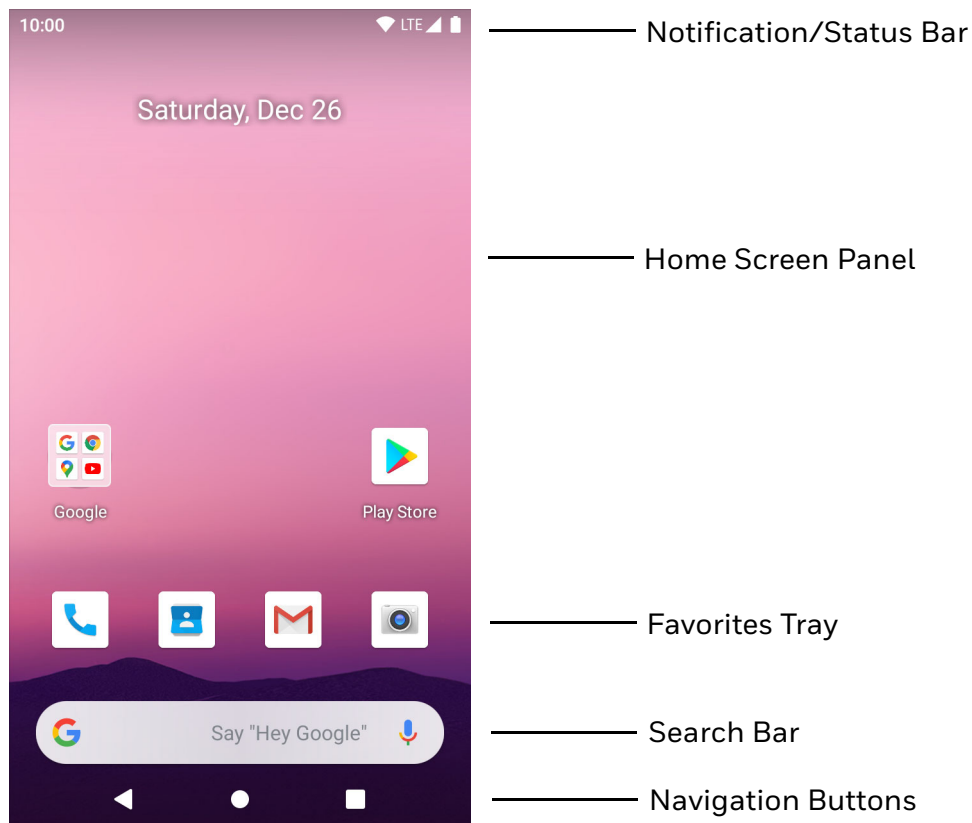
Navigation Buttons

Item	Description
Notifications Panel/ Status Bar	Status icons to the left tell you when an app has sent notifications, such as an arriving message. System icons to the right display the current wireless and network connection state and battery level.
Search Bar	Search the Internet or the tablet using Google™. Touch the microphone icon in the search box to initiate a voice search or command.
Home Screen Panel	You can create more than one custom Home screen panel. Swipe left or right on the Home to switch between your custom panels.
Favorites Tray	App icons in the customizable tray are visible on all Home screen panels.

Navigation and Function Buttons

Your tablet has virtual buttons on the front panel below the common applications in the main interface and hardware buttons located on the sides for easy and quick feature access when using the tablet.

Navigation and Function Buttons

Button	Description	
◀	Back	Return to previous screen.
●	Home	Return to the Home screen.
■	Recent Apps	View and switch between recently used apps.
	Volume	Raise or lower the volume of the active speaker. For button location on tablet, see About the Tablet on page 1.
	Scan	Press the right or left scan button to trigger the scanner.
	Power	Turn on, turn off, and lock screen on the tablet.

About Status Bar Icons

Status and notification icons show you the current status of your network, the battery, notifications, and sounds. Use the table below to understand some of the most common icons.

Status and Notification Icons

Icon	Description	Icon	Description
	Pending alarm and Alarm is set		Vibrate mode is turned On
	New text message or multimedia message		Airplane mode is turned On
	Error with text or multimedia message delivery		Bluetooth is turned On
	New email		SD card is full
	Tablet is connected to a PC with a USB cable		Wi-Fi network is connected with full signal strength
	Synchronizing data		Wi-Fi network is connected but no signal strength
	Error with sync or sign-in		Phone connected with full amount of bars
	Tablet is connected with Ethernet		Phone connected with full amount of bars but no Internet connection

Remap a Button or Key

You can change the default function of the physical buttons and keys.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** > **Honeywell Settings** > **Keyremap**.

3. Tap the plus sign (+).

4. Press the button or key you want to remap.

5. Tap **OK**.

6. Select a tab to use for remapping, and then select or enter a value as required.

   - KEYS
     Choose a key function to assign to the selected key.

   - APPS
     Select an app that will launch when the selected button is pressed.

   - ACTIONS
     Enter an action that will be executed when the button is pressed, for example, "com.android.settings/com.android.settings.wifi.WifiSettings".

   - TEXT
     Enter a key combination that will be executed when the button is pressed, for example, "CTRL,C". See the next section for more information.

7. The remapping is displayed on the Keyremap screen.

Using TEXT Commands

You can use TEXT commands to map multiple keys or a key combination.

- Only lowercase characters are supported, but they must be entered in upper case. For example, entering "H,E,L,L,O" will produce "hello". "H,e,l,l,o" will produce "h". To remap to a string with capital letters like "HELLO", use a series of keycombinations like, "CAPS_LOCK,H,CAPS_LOCK,E,CAPS_LOCK,L,CAPS_LOCK,L,CAPS_LOCK,O".

- Shifted characters can be remapped in the format SHIFT,<key>. For example, "SHIFT,1" returns "!", "SHIFT,2" returns "@", etc.

- A space must be defined using the Keyname like "A,SPACE,B".

- Key names separated by comma are considered a string not a key, so "F,1,E,N,T,E,R" will produce the string "f1enter". "F1,ENTER" will produce the events as if Function Key 1 and an Enter key have been pressed.

Restore Default Button Action

To restore the default button action:

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Keyremap**.

3. Tap the clean icon 🧹.

4. Choose the remapped button(s) you want restored to the default setting(s).

   - Tap the check box next to the button.

   OR

   - Tap **All Select** to choose all the buttons.

5. Tap **Delete**.

6. Tap **OK** to confirm action.

Key WakeUp

Use Key WakeUp to set the buttons you want to use to wake the tablet from sleep mode. The keys (buttons) that can be used depend on the mobile device model.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** > **Honeywell Settings** > **Key WakeUp**.

3. Turn keys on or off depending on your preference.

4. Tap Apply to save your settings.

5. To apply the default configuration, tap the Reset button.

View and Manage Notifications

You can view recent events on the tablet, manage system notifications, change a setting or quickly respond to an app notification by opening the notifications panel.

When a notification icon appears in the status bar at the top of the screen:

1. Swipe down from the top of the screen to open the notifications panel.
2. Respond to the notification. You can take one of the following actions:
   - Tap the notification to open the associated app.
   - Tap a quick-reply or action command (e.g., Reply, Archive), if available.
   - Swipe the notification sideways, off the screen t dismiss it. Note that some notifications cannot be dismissed.
   - Slide the notification left or right to reveal the Settings icon ⚙. Choose between **Show notifications silently**, **Don't silence**, or **More settings**.

To close the notification panel, swipe up from the bottom of the screen, or tap the Back or Home buttons.

Open Quick Settings

Use the Quick Settings screen for easy access to common settings. Tap an icon to toggle the feature On/Off or to open additional settings.

- To open Quick Settings, swipe down from the status bar at the top of the screen. To expand the Quick Setting menu, swipe down again from the status bar at the top of the screen.
- To close Quick Settings, swipe up from the bottom of the screen or tap the **Back** or **Home** buttons.

Customize the Home Screen

You can add application icons to any Home screen for easier access.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap and hold the app you want to add, and then slide the icon slightly out of position.
3. Drag and drop the app icon into place.
   - If you want to add another home screen, drag the icon to the right edge of the screen before releasing the icon.
   - If you want to create a folder, drag and drop the icon on top of another icon.

To add a Widget or customize the look of the Home screen:

1. Tap and hold an empty section of the screen.
2. Select either **Wallpapers**, **Widgets**, or **Home Settings**.

Customize the Favorites Tray

Modify the Favorites tray to contain the apps you use the most.

1. Tap and hold the app icon you want to replace on the Favorites tray. Slide the icon out of place slightly to activate feature.
2. Drag and drop the app on "**X Remove**" at the top of the screen.
3. Swipe up from the bottom of the screen to access all apps.
4. Tap and hold the icon of the app you want to add.
5. Drag and drop the icon into position on the Favorites tray.

Use Google™ Search

Use the Google Search field on the Home screen to help you find anything you need on the tablet or on the web.

1. On any Home screen, tap inside the Google Search box and begin to type your search term.

    As you type, suggestions from Google web search appear below the Search box, and results from the tablet (such as apps or contacts) appear below the web search results.

2. Tap a suggestion to search for it immediately, or touch the arrow to add the term to the search field without starting to search.

About Screen Gestures

Use your fingers or the stylus to manipulate icons, buttons, menus, the on-screen keyboard, and other items on the screen.

- **Tap**

  Tap to select something, toggle a setting On or Off, or activate a field for text entry. An on-screen keyboard automatically appears for text entry.

- **Tap and hold**

  Tap and hold an item but do not lift your finger or stylus until an action occurs.

- **Drag and drop**

  Tap and hold an item, and then slide your stylus or finger across the screen until you reach the target position. Lift your finger or stylus off the screen to drop the item in place.

- **Swipe**

  Quickly move your finger across the screen, without pausing when you first touch. For example, you can swipe a Home screen left or right to view the other Home screens.

- **Slide**

  Slowly move your finger across the screen, without pausing when you first touch. For example, you can slide a notification to the left until the Settings gear is revealed.

- **Double-tap**

  Tap quickly twice on a web page, map, or other screen to zoom in. Double-tap again to zoom out.

- **Pinch**

  In some apps, you can zoom in and out by placing two fingers on the screen at once and pinching them together (to zoom out) or spreading them apart (to zoom in)

Set the Time Zone

The tablet gets the current date and time from its network connection. If preferred, you can change this behavior and manually set the time zone for your location.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **System** > **Date & time**.

3. Tap **Use network-provided time zone** to turn off the feature.

4. Tap **Time zone** and choose the time zone for your location.

About Honeywell Applications

Honeywell applications help you troubleshoot and connect your tablet to other devices and networks. Some of the applications in this table are located in the Power Tools app. To learn more about Honeywell Power Tools, go to www.honeywellaidc.com to download the *Dolphin Power Tools User Guide*.

Honeywell Applications Available on the Tablet

Icon	Application	Description
	AutoInstall Settings	Enable the AutoInstall feature, to automatically install *.zip or *.apk files containing applications saved in the Internal shared storage\honeywell\autoinstall folder and IPSM storage will not be installed.
	Demos	Honeywell Demo apps demonstrate the basic capabilities of the tablet and are not intended as functional business solutions. The demos included, demonstrate scanning, signature capture, NFC functionality, and printing via Bluetooth technology. Information on how to create custom applications for your Honeywell tablet can be found in the Honeywell Software Development Kit (SDK) for Android, available from the Technical Support Downloads Portal.
	HUpgrader	Use the HUpgrader app to view the current OTA version on the tablet, check for updates, or initiate an OTA upgrade from storage.
	DisplayDockService	Configure the display dock settings. For more information about these settings, see the ScanPal EDA71 Display Dock User Guide available at www.honeywellaidc.com.
	HQ Config	HQConfig is used for offline rapid deployment. Synchronize content: common settings, scan settings, applications and firmware upgrades.
Power Tools		
	BattMon	BattMon provides information on the charge status and health of the battery, and provides access to activate battery status notifications and battery charging history logs.
	Config Apps	Config Apps displays, releases and renews IP parameters and supports configurations for static IP addresses.
	Configure Autorun	Configure Autorun provides the ability to set applications to automatically run after a reboot.
	Diagnostic Information	Diagnostic Information provides access to system statistics, notifications and version information about the tablet.
	EZConfig	EZConfig supports advanced customization and configuration of the hand held tablet. EZConfig includes a standard XML editor and configuration barcode scanner feature.

Icon	Application	Description
	Wireless Tether	Use to enable range tracking and customize out-of-range alerts for Bluetooth devices paired and tethered to your hand held tablet.
	WiFi Diagnostic	Use application to: • View Wi-Fi radio status information about a connected access point or a list of other available access points in range of the Wi-Fi radio. • Use the Route utility to view packet destination gateway information across the subnets. • Use the IPConfig utility to view IP parameters for the on-board network adapters. • Use the Ping utility to verify communication links or to make sure a specific IP address is working.

Applications You Can Download to the Mobile Tablet

You can download Honeywell applications to extend the capabilities of the tablet. You may need to purchase a license to run some applications. To learn more about the applications described in this section and other Honeywell software solutions, go to www.honeywellaidc.com > **Browse Products** > **Software**.

About Terminal Emulators

Honeywell offers several terminal emulator solutions that allow users to manage their mobile devices by providing reliable data transfer between the host mobile device and terminal. Terminal emulators can be used for remote management and configuration of devices, data collection and analysis, and session management.

Depending on the tablet model, a terminal emulator may come preinstalled on the device. If a terminal emulator is not included on your model, you can download a trial version for evaluation. After the evaluation period expires, you need to purchase a license. For more information, visit www.honeywellaidc.com.

About Honeywell Enterprise Browser

Enterprise Browser for Microsoft® Internet Explorer® is a locked-down enterprise Web client application designed for Honeywell tablets. It provides a controlled Web application environment that helps enterprises increase productivity and reduce IT management expenses. You can configure Enterprise Browser for your specific application requirements and design custom web applications that run through the Enterprise Browser to provide your users with an easy-to-use yet controlled experience.

If Enterprise Browser is not included on your tablet model, you can download a trial version for evaluation. After the evaluation period expires, you need to purchase a license. For more information about Enterprise Browser, visit www.honeywellaidc.com.

About Honeywell Launcher

Launcher is a configurable locked-down menu program designed for Honeywell tablets that prevents end-users from accessing the start menu and other non-authorized applications. Use Launcher to provide a platform where your tablet users are limited to running only company-approved applications and prevent them from initiating unauthorized configuration changes. You can also use Honeywell Launcher together with Honeywell Enterprise Browser to create a single-purpose device configuration.

If Launcher is not included on your tablet model, you can download a trial version of the software for evaluation. After the evaluation period expires, you need to purchase a license. For more information about Launcher, visit www.honeywellaidc.com.

Unlock Developer Options

Developer options only appear in the Settings app if you unlock the feature. If you are a developer working with the tablet, you can easily unlock the additional settings to use for testing and debugging applications under development for the tablet.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** > **About phone**.

3. Tap **Build number** seven times. A message appears informing you that you are now a developer.

4. Open **Settings** > **System** > **Developer options**.

3 USE THE IMAGE ENGINE

Use this chapter to understand how to scan barcodes, configure the scan settings, and capture images using the integrated image engine in the tablet.

About the Image Engine

The ScanPal EDA71 series offers two Honeywell high-performance imager options:

- N3601 Imager Engine
- N6703 Ultra-Slim Imager Engine

Use the imager as a scanner to read 1D and 2D barcode symbologies, composite symbologies, and postal codes. It also supports omni-directional scanning for greater flexibility in real-world settings. By default, the scanner feature is enabled and uses the default scan profile. You can modify the **Default Profile** or create new profiles for custom applications from the **Settings** > **Honeywell Settings** > **Scanning.**

Use the imager as a camera to capture black and white images, such as signatures or pictures of damaged inventory.

About the Scan Wedge Feature

The scan wedge feature sends scanned barcode data to an active application as Android keypad input. To scan a barcode as keyboard input, open an application that accepts text input and then scan a barcode. You can use applications that are coded to use the scanner or applications that receive data through the scan wedge feature. If an application claims the scanner through the BarcodeReader API, the scan wedge feature is temporarily disabled.

You can find information on how to create custom applications for the tablet in the *Software Development Kit (SDK)* available for download from the *Technical Support Downloads Portal* at https://hsmftp.honeywell.com. Once you create an account and enter the portal, navigate to **Software** > **Software and Tools** > **Developer Library** > **SDKs for Android**.

Change the Scanner Settings

Changes you make to the Default profile apply to all applications with no profile assigned.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Scanning**.

3. Tap **Internal Scanner** > **Default Profile**.

4. Select from the following:

   - **Data Processing Settings**,

   - **Symbology Settings**,

   - **Decode Settings**,

   - **Imager Settings**,

   - **Trigger Settings**, or

   - **Notification Settings**.

5. Modify the settings to meet your application needs.

To learn more about Scanner settings, see Data Processing Settings.

Change the Bluetooth Scanner Settings

When the Bluetooth scanner is paired, changes can be made to the Default profile for the scanner.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Scanning**.

3. Tap **Bluetooth Scanner** > **Default Profile** > **Data Processing Settings**.

Modify the settings to meet your application needs.

Restore Default Scan Settings

You can easily discard all changes you made to the Default profile and restore the default values.

Note: *When you choose the Restore all defaults option from any of the settings screens in a profile, all the settings in that profile return to their default values.*

1. Open the **Default profile**.

2. Tap ⋮ in the upper right corner of any of the scan settings screens for the profile.

Tap **Restore all defaults**.

Default Scan Settings

Use the following sections to understand the scan settings available for scanner profiles. To learn how to create a new profile, see page 33.

Data Processing Settings

Use the Data Processing Settings to specify how barcode data is processed by the tablet.

Data Processing Settings

Setting	Description	Default
Wedge	Enable or Disable the scan wedge feature	Enabled
Wedge Method	Select **Standard** when character messages have to use a delay in between barcodes or **Keyboard** when a simulated key press is needed.	Standard
Charset	Select the character set to use when interpreting the barcode data into a string.	ISO-8859-1
Prefix	Defines the string added before the decoded barcode data. Substitutions occur within the Prefix string values. {{SUBTABLE1}}	None
Suffix	Defines the string added after the decoded barcode data. Substitutions occur within the Suffix string values. {{SUBTABLE2}}	None
Wedge as Keys	List of character values to wedge as keys, represented as a comma-separated list of decimal values.	9,10, 13
Data Editing Plugin	Specify a Total Freedom data editing plug-in and edit plug-in settings.	None
Symbology Prefix	Specify a symbology identifier prefix to the barcode data. Options include: • None • Honeywell • AIM	None

SUBTABLE1:

Substring	Replacement Character Code
\r	13
\n	10
\t	9
\\	'\'

SUBTABLE2:

Substring	Replacement Character Code
\r	13
\n	10
\t	9
\\	'\'

Setting	Description	Default
Launch Browser	Enable or disable URL barcode handling. If a barcode starts with http:// or https://, the browser opens using the barcode data as a URL. Corresponds to BarcodeReader property: PROPERTY_DATA_PROCESSOR_LAUNCH-BROWSER	Enabled

Scan to Intent	Enable or disable special handling of scan-to-intent barcodes.
	
	Applies to barcodes in one of the following formats:
	    '//' ACTION
	    '//' ACTION '$' extra-data
	
	Where: ACTION and extra-data are any string of characters.
	
	Launches an application listening for the intent.
	Intent action:
	"com.honeywell.scantointent.intent.action." + ACTION
	Intent extra:
	"com.honeywell.scantointent.intent.extra.DATA" contains the remainder of the barcode data after the first '$' character.
	
	Corresponds to BarcodeReader property:
	PROPERTY_DATA_PROCESSOR_SCAN_TO_INTENT
		Enabled

Launch EZ Config	Enable or disable special handling of EZConfig barcodes. Applies to EZConfig barcodes that are encoded with the Aztec symbology and contain specific header data. Corresponds to BarcodeReader property: PROPERTY_DATA_PROCESSOR_LAUNCH_EZ_CONFIG	Enabled
Data Intent	Enables the reception and processing of barcode data without using an SDK or library.	Disabled

Symbology Settings

Use the Symbology Settings to enable or disable barcode symbologies for the selected scan setting profile.

- Tap the check box next to a symbology name to enable (check mark) or disable (no check mark) decoding for that symbology.

Tap the symbology name to view and modify additional configuration parameters for the symbology selected.

To view a list of default settings for supported symbologies, see .

Decode Settings

Adjust the Decode Settings when scanning barcodes that are densely packed or poor quality.

Decode Settings

Setting	Description	Default
Center Decode	When enabled, the imager scans and decodes a barcode only if part of the barcode is at the center of the aimer window. This is useful in situations where several barcodes may be very close together in the imager field-of-view. • Tap the check box to toggle the feature On or Off. • Select **Center Decode** to adjust the Window dimensions. Honeywell recommends leaving the settings at 50 (default) to define the "center" area for the barcode. Configurable parameters: • Window top • Window bottom • Window left • Window Right	Disabled
Decode Security	Use this setting to control the reading tolerance of the decoder. Lower settings are more lenient when reading low quality barcodes while higher values are more strict.	2
Decode Filter	Use this setting to modify or reject data strings. • Decode Filter Script Defines the string of text from the filter script. The script is included in the DataCollectionService.xml settings file. • Debug Level Set the filter information level. The default level is 0, no information. Higher levels emit more information. Level 4 emits the most information.	None
Poor Quality 1D Reading	Enable this setting when scanning damaged or badly printed 1-D barcodes to improve barcode read success.	Disabled
Video Mode	Use this setting to specify whether normal or inverse decoding for linear symbologies is enabled during the execution of Decode. By default normal video is enabled. Options include: • Normal • Inverse • Normal and Inverse	Normal

Setting	Description	Default
DPM Mode	use this setting when scanning Direct Part Marking (DPM) barcodes that are etched or imprinted directly into the surfaces of the materials including metal and plastic. Options include: • No DPM optimization • Dotpeen DPM decoding • Reflective DPM decoding	No DPM optimization
Region of Interest	Set the ROI for decoding. Options include: • Disable ROI is disabled and the entire original image is sent to the decoder. • Standard Use the aimer position to weight activity. Activity calculated on the row and the column in the middle of each cell. The ROI window may not include the aimer. • Standard, aimer centered Activity calculated on the row and the column in the middle of each cell. The ROI window will always include the aimer. • DPM, aimer centered Activity calculated on 4 rows and 2 columns in each cell. The ROI window will always include the aimer. • Kiosk/presentation application Ignore aimer position, no weight activity. Activity calculated on the row and the column in the middle of each cell. The ROI window may not include the aimer.	Disabled
Preferred Symbology Settings	Enable this setting to set preferred symbologies.	Disabled

Imager Settings

You should not need to modify the Imager Settings. The **Override Recommended Values** setting is disabled by default. The recommended Imager Settings are designed to work in a wide range of environments and should only be modified if you have an advanced understanding of imagers.

Trigger Settings

Use the Trigger Settings to configure how the scan buttons work.

Trigger Settings

Setting	Description	Default
Enable Scan Trigger	Enable or Disable activating the imager by pressing the side scan buttons or the virtual Scan button in the Scan Demo app.	Enabled

Setting	Description	Default
Scan delay	Set the minimum amount of time in seconds before the scanner can read another barcode.	0
Decode Timeout	Set the number of seconds before the scanner automatically turns off if the scan button is pressed and nothing has successfully decoded.	20
Trigger Scan Mode	Set read behavior on scan button press. Options available: • One Shot • Continuous • Read on release • Read on second trigger press	One Shot
Same symbol timeout	Set the minimum buffer time in seconds before the scanner reads the same barcode. This can be adjusted to prevent inadvertent scans of the same barcode if the code is left in the scan field longer than the Decode Timeout limit. The default same symbol timeout is 1000 seconds.	Disabled

Notification Settings

Use the Notification Settings to configure how your tablet responds when you scan a barcode.

Notification Settings

Setting	Description	Default
Good Read Notification	Enables or disables a good read notification. The notification consists of a green blink of the Scan Status LED, a short beep, and an optional short vibration.	Enabled
Bad Read Notification	Enables or disables notification of a failed scan. The notification consists of a red blink of the Scan Status LED, an error beep, and an optional short vibration.	Disabled
Vibrate On Notification	Enables or disables whether the tablet vibrates when there is a good or bad read.	Disabled

Add a Scan Setting Profile

To create a scan setting profile for a custom app on the tablet:

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Scanning > Internal Scanner**.

3. Tap ⊕ in the upper right corner of the app screen.

4. Take one of the following actions:

   • Tap the profile name field, and then add a new name.

   OR

   • Tap the **select an application** option, and then choose an app from the list.

The new profile appears on the Internal Scanner profile list. You can now select and modify the scan settings for the new profile.

Delete a Scan Setting Profile

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Scanning** > **Internal Scanner**.

3. Tap and hold the profile you want to delete.

Select **Delete**, then select **OK**.

About the Optional Digital Scan Button

By default, the imager is enabled for scanning with the left, middle and right scan buttons configured to trigger the imager. If your application environment requires use of an on-screen scan button, enable the Digital Scan Button feature in the Settings app. Once enabled, you can then modify the appearance of the on-screen Scan button and select the apps the button appears in.

Enable and Configure the Digital Scan Button

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Digital Scan Button**.

3. Tap **Enable Digital Scan Button** to turn the feature on. A preview of the button appears at the bottom of the screen.

4. Configure the button appearance. As you adjust the settings, the preview button updates.

   - Tap **Select Button Size**, and then choose Small, Medium or Large.

   - Tap **Select Button Color** and then choose from seven color options. Default color is black. Tap a dot to select the color, and then select **OK** to confirm.

   - Use the slider under **Transparency Level** to adjust how transparent the button appears on the application screen.

5. Drag the preview button to the location where you want it to appear on the screen. Once you have positioned the button, tap the **Set Button Location** toggle button to lock it into position.

6. Tap **Choose Application.**

7. Check the box next to all the applications where you want the digital scan button to be available.

8. Select **OK**.

9. Tap **Back** to return to the Settings screen.

The digital scan button appears on the screen when you open any of the apps you selected during the button setup. Tap and hold the button to activate the imager and scan a barcode.

Scan Barcodes

By default, the tablet imager is enabled for scanning. It supports omni-directional (360°) barcode scanning and an aiming beam is provided to help assist with targeting barcodes.

Before you start scanning barcodes, go into **Settings** > **Honeywell Settings** > **Scanning** > **Internal Scanner** and modify the scan profile to enable only the barcode symbologies that you need. By reducing the active symbology list, you can increase scan speed.

1. Point the scanner window at the barcode. For optimum performance, avoid reflections by scanning the barcode at a slight angle.

2. Press and hold any **Scan** button.

3. Center the aiming beam over the barcode. Make sure the entire barcode is inside of the illumination frame.
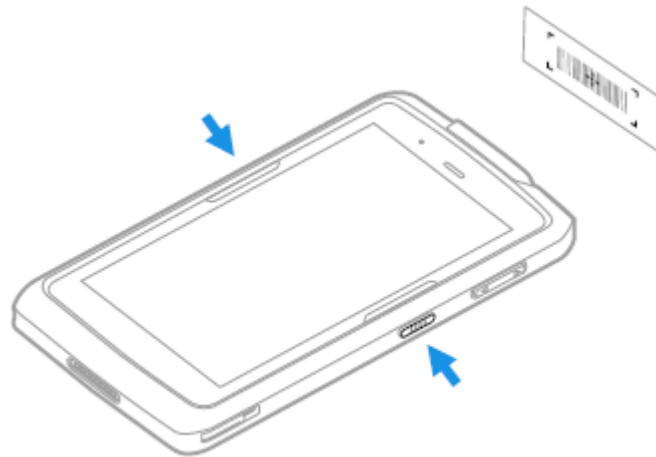
4. Release the Scan button when the tablet beeps, and the Scan Status LED briefly turns on. The barcode information is entered into the application in use.

Note: *Not all barcode symbologies are enabled by default. If a barcode does not scan, the correct symbology may not be enabled.*

About Scanning Configuration Barcodes

After completing the out-of-box set up process, Provisioning mode is automatically turned Off. Scanning a barcode to install applications, certificates, configuration files, and licenses on the tablet is restricted unless you enable Provisioning mode in the Settings app.

To learn more About Provisioning Mode see page 65.

Use the Scan Demo App

Use the Scan Demo app to read barcodes or test your symbology decode settings.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Demos**.
3. Swipe left or right on the screen until **Scan Demo** appears under the turntable. Tap the center of the box image to open the app.
4. Point the scanner window at the barcode.
5. Press and hold any **Scan** button or tap and hold the on-screen Scan button.
6. Center the aiming beam over the barcode. Make sure the entire barcode is inside of the illumination frame.
7. Release the Scan button when the tablet beeps, and the Scan Status LED briefly turns On. Barcode information appears on the screen.

Note: *In the Scan Demo app, not all barcode symbologies are enabled by default. If a barcode does not scan, the correct symbology may not be enabled.*

Change the Scan Demo Symbology Settings

1. In the Scan Demo app, tap ⋮ in the upper right corner of the screen.
2. Select **Symbology Settings**.
3. Modify the symbology parameters.
   • Tap the check box next to a symbology name to enable (check mark) or disable (no check mark) decoding for that symbology.
   • Tap the symbology name to view and modify additional configuration parameters for the symbology selected.
4. Tap **Back** to return to the Scan Demo app.

Use the Imager as a Flashlight

To use the imager as a flashlight.

1. Open Quick Settings (see page 21).
2. Tap the **Flashlight** icon to turn the flashlight on.
3. Select the icon again to turn the flashlight off.

USE THE PHONE

You can use the phone feature to make and receive phone calls as well as transmit data through wireless wide-area networks (WWANs).

Note: *Phone features are only supported on EDA71 WWAN models (EDA71-1).*

About the Phone

Phone features on the tablet include a speaker and a microphone. You can also use a Bluetooth headset or hands-free kit.

On EDA71 WWAN models the phone feature is enabled by default and supports all cellular radio access technologies (2G, 3G, etc.) for voice and data connections around the globe. These features are certified by PTCRB, GCF, and all major US carriers.

After you turn on the phone and activate service with your wireless carrier, you can customize the phone features and network settings in the Wireless & Networks section of the Settings app.

Note: *Both WWAN radios support Network Information and Time Zone (NITZ) messages to automatically set the system time.*

Activate the Phone

You use a SIM card to activate the phone on your EDA71 WWAN tablet EDA71-1. You can purchase the micro SIM card from your network provider.

1. Insert the microSIM card. Refer to Insert a microSIM or a microSD Card on page 14.

2. Press and hold the **Power** button until the options menu appears.

3. Tap **Restart**.

4. Swipe up from the bottom of the Home screen to access all apps.

5. Tap **Settings** ⚙ > **Network & Internet** > **Mobile Plan**.

6. Select a network carrier.

Make a Phone Call

Once the phone is activated, you can make a phone call.

1. Tap 📞 in the favorites tray to open the phone app.

2. Use one of the methods below to enter the telephone number you want to call.

   - Tap ⦂⦂⦂ and use the on-screen dialer.

   - Select a person on your saved contact list 👥.

   - Select a favorite on your speed dial list ★.

   - Select a number from the recent calls list 🕐.

3. Tap call 📞.

4. To end the call, tap 📞.

Answer the Phone

When you receive a phone call, the Incoming Call screen opens. If the caller tele-phone number is available, it appears on the screen. Depending on your calling plan, you may also see a Caller ID information. All incoming calls are recorded in the Call log. If you miss a call, you receive a notification.

On the Incoming Call screen, when you phone is lock screen activated:

   - Swipe up on the screen to answer the call.

   - Swipe down on the screen to reject the call and send it to voicemail.

   - Tap the messaging icon 📧 to send a text message response to the call instead of answering.

If your phone is already unlocked, a notification appears on the screen for the incoming call and you have the choice to select **Answer** or **Ignore**.

Switch Apps During a Phone Call

You can multi-task while a phone call is in progress. For example, you can use the Calendar app to check your schedule during a call.

Note: *Depending on your WWAN connection and carrier, apps that need a data connection may be unable to access online data while the phone call is in progress. If simultaneous phone calls and data connections are not possible due to provider limitations, voice calls receive priority. Check with your provider for more information.*

1. During a phone call the screen goes dark. Take the phone away from your ear to wake the screen. Tap the **Home** button.

2. Select another app (e.g., Calendar, Contacts). The phone icon appears in the status bar at the top of the screen while the call is connected.

3. To return to the call screen, swipe down from the top of the screen and select ongoing call notification or select **Hang up** if you want to end the call.

Make an Emergency Phone Call

You can use the phone to make an emergency phone call even if the SIM card is missing from your phone. The phone shows no service but the call still goes through if you dial certain emergency numbers (e.g., 112, 911, 000, 08, 118, 119, and 999).

Configure Phone Settings

You can customize settings for the phone, including the ringtone, voicemail options, keypad tones, Internet call settings, and other options.

1. Open the phone app 📞 .

2. Tap ⋮ next to the microphone icon at the top of the screen.

3. Select **Settings**. The Call settings menu appears.

4. Change phone settings as necessary.

Note: *Available settings vary depending on your cellular carrier and phone plan.*

5 USE THE CAMERA

Use this chapter to learn how to take pictures and record videos with the color camera.

About the Color Camera

The EDA71 comes equipped with a 13-megapixel color camera, 4K video with image stabilization, and advanced software features for enhanced exposure control for taking pictures and videos. The camera lens and flash are located on the back of the tablet.

Use the Photos app to view photos and videos stored on the EDA71.

By default the photos and videos captured with the Camera app are saved on the tablet under Internal shared storage\DCIM\Camera.

How to Zoom

The camera zoom is controlled using a pinching motion on the touch screen. Place two fingers on the screen at the same time, and then:

• spread them apart to zoom in (enlarge and object).

• pinch them together to zoom out.

Take a Photo

1. Tap the **Snapdragon™ Camera** icon ⊙ in the favorites tray on the Home screen.

2. Using the screen as a viewfinder, move the tablet until you see the image you want to capture. The camera lens is located on the back of the tablet.

3. The camera automatically adjusts the focus but you can tap the screen to modify the focal point. By default, the camera senses the lighting in the environment and turns the flash on, if needed.

4. Tap ⬛ to take a photo.

   - To view the picture, tap the preview near the bottom of the screen.

   - To return to the Camera app, tap the **Back** navigation button.

Change Camera Settings

You can change the camera settings for best results when taking pictures. The camera settings are adjustable from within the Snapdragon™ Camera app.

1. Open the **Snapdragon Camera** app ⊙.

2. At the top of the screen, select any of the following to adjust the settings.

| Advanced Settings | Color Filters | Flash |
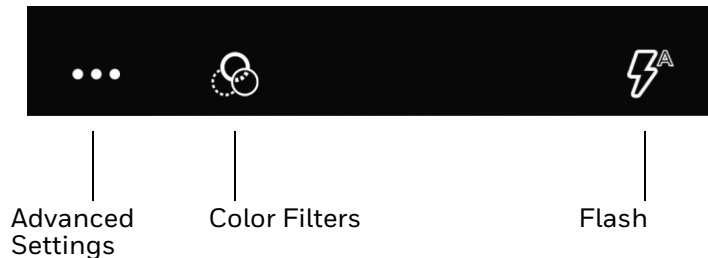
- **Advanced Settings**
  Manually set advanced features. Options include: GPS location, Face Detection, Storage, Countdown timer, Continuous Shot, Picture size, Picture quality, Redeye Reduction, Shutter Sound, Video quality, Video duration, Restore defaults, Version Info

- **Color Filters**
  Stylize your pictures by applying a filter. Options include: None, Mono, Sepia, Negative, Solarize, Posterize, Aqua

- **Flash**
  Tap to quickly toggle Flash mode Automatic, On, or Off.

Record a Video

This section explains how to record video with the camera in the tablet.

1. Tap the **Snapdragon Camera** icon ⊙ in the favorites tray.

2. Tap ▣◀ to start recording video.
    *   To zoom in or out, pinch or spread your fingers apart.
    *   To toggle sound recording on or off, tap the microphone icon at the top of the screen.
    *   To pause recording, select ▋▋ . To resume recording, tap ● .
    *   To capture a still picture during recording, tap the **Camera** icon ⊙ .
    *   To add light while recording, tap the flash icon.

3. When you are done recording, tap ■ .

To access the video settings in the Camera app, select the more settings icon ●●●, and then the advanced settings ⚙ icon.

Use the Camera as a Flashlight

To use the camera as a flashlight, open quick settings and tap the Flashlight icon to turn the flashlight on. Select the icon again to turn the flashlight off.

CONFIGURE THE TABLET

Use this chapter to learn about the available methods for configuring your tablet. You can also use this chapter to learn how to configure network communications and wireless security.

How to Configure the Tablet

You can configure many parameters on the tablet such as the barcode symbologies the integrated scanner decodes, or the network settings. The values you set for these parameters determine how the tablet operates.

You configure the tablet using the Settings app.

Start the Settings App

The Settings app is available from the all apps menu and the notification panel.

- Swipe up from the bottom of the Home screen to access all apps, and then tap Settings   .

  OR

- Swipe down from the top of the Home screen, and then select   in the status bar.

Note: *To view a simplified settings menu without descriptions, swipe right from the left edge of the Settings screen.*

About the Structure of the Settings App

Use this section to learn about the structure of the Settings app so you can find parameters quickly. A search field appears at the top of the screen when you open the Settings app to help you locate settings quickly.

Note: *The Settings app varies by tablet model and OS version. You tablet may not include all the features outlined in this section.*

When you open the Setting app, suggestions appear at the top of the list.

- Tap ⌄ or ⌃ to expand or collapse the suggestion list.

- Tap a suggestion to open the settings screen or app relevant to the suggestion.

- Tap the ⋮ , and then **Remove** to dismiss the suggestion.

Network & Internet

In the Settings app, select **Network & Internet** to access the following settings.

Setting	Description
Wi-Fi	- Turn WLAN radio On or Off. - Lists available Wi-Fi networks in range and the connection status when the radio is turned On. - Add a network Wi-Fi connection and view saved networks. - Tap Wi-Fi preferences to access advanced Wi-Fi options, view MAC, IP address information, import and export Wi-Fi configuration, Wi-Fi Direct, WPS push Button, WPS pin entry, Wi-Fi Logger, Honeywell Proprietary Settings, Open network notification and Install Certificates.

Mobile Network (EDA71-1 WWAN Models only)	Modify mobile network settings, including enabling data access and roaming over mobile networks, selecting access points and network operators, or selecting only 2G networks (to save battery life).
	- Turn Mobile data On or Off.
	- Turn Roaming On or Off.
	- View Data use information.
	- Access advanced options, including:
	  - 4G LTE Mode On/Off setting
	  - Preferred network settings
	  - CDMA roaming settings and subscription settings (i.e, RUIM/SIM, NV)
	  - Access point name and selection
	  - Network selection settings

Data Saver	Enable Data Saver to reduce data usage. When turned on, the feature limits how and with what frequency some apps send and receive data in the background.
Data usage	- Manage mobile/cellular data usage. - View mobile or Wi-Fi data use statistics for the current data use cycle. - Turn network restrictions for metered WLAN networks on or off.

Setting	Description
Hotspot & tethering	• Enable or disable USB tethering or Bluetooth tethering for sharing mobile data connections. • Enable or Disable using the tablet as a portable Wi-Fi hotspot. • Configure Wi-Fi hotspot.
Advanced	
Ethernet	• Turn Ethernet connection on and off. • View last Ethernet connection information.
Mobile Plan (EDA71-1 WWAN Models only)	Provides information on your cell phone plan.
VPN	Set the password parameters for a virtual private network (VPN) connection.
Airplane mode	Turn Airplane mode on or off.
Private DNS	Select Private DMS Mode (e.g., Off, Automatic, Private DNS provider hostname).

Connected Device

In the Settings app, select **Connected devices** to view current, connected devices and to access the following settings.

Setting	Description
Pair new device	• Connect to a Bluetooth Device. • Lists Bluetooth enabled devices in range. • View and rename the tablet. • View the tablet Bluetooth address.
Previously connected devices	View previously connected devices. When devices are currently connected they appear at the top of the screen.
Connection Preferences	
Bluetooth	• Turn the Bluetooth radio On or Off. • Lists Bluetooth enabled devices in range when the radio is turned On. • Connect to a Bluetooth Device. • View and rename the tablet. • View the tablet Bluetooth address.
NFC	Turn Near Field Communication (NFC) On or Off. When the NFC radio is enabled, data exchanges are allowed when the tablet touches another NFC enabled device.
Android Beam	Turn the Android Beam feature On or Off. When NFC is enabled, this feature is accessible. You can beam app content to another NFC capable device by holding the devices close together. The app determines what content is transmitted to the other device.
Cast	Set up a Cast connection. Cast (project) audio and screen content to a secondary device such as a television.
Printing	Set up a printer connection with the EDA71. Connection options include cloud print services, Wi-Fi printing via a router or printing via NFC.

Setting	Description
Files received via Bluetooth	View statistics and received files via Bluetooth wireless technology.
Chromebook	Set up connection from the EDA71 to a Chromebook.

Apps & Notifications

In the Settings app, select **Apps & Notifications** to access the following settings.

Setting	Description
App Info	To view a list of all apps installed on the tablet and system services running, select "SEE ALL xx APPS" where xx = number of apps installed.

Notifications	Select to manage notifications.
	 • Viewing statistics on recent app notifications.
	 • Set rules for notifications on the screen lock.
	 • Under Advanced:
	     • Turn notification snoozing on or off.
	     • Turn Suggested actions and replies on or off.
	     • Turn notification dots on or off.
	     • Set the default sound for all notifications.
	     • Set Do Not Disturb parameters or manually turn the Do Not Disturb on or off.

Screen time	• Shows Screen time, Notifications received, Times opened. • Allows to set app timer.
Default apps	Select to view and manage default app use.
Advanced	
Permission manager	Select to view and manage individual app permissions.
Emergency Alerts	Manage Emergency alert notifications.
Special app access	Manage apps with special unrestricted access.

Battery

In the Settings app, select **Battery** to view battery status, use statistics and adjust features that conserve battery charge.

Note: *Some settings in previous OS versions can be found in Display.*

Setting	Description
Battery	View current battery charge or charging status. • Last Full charge • Screen usage since full charge

Setting	Description
Battery saver	Select to configure the Battery Saver feature.
	• Manually turn the Battery Saver on to restrict background activity to extend battery charge or turn the feature off.
	• Set a schedule to turn the Battery saver feature on or off automatically based on remaining battery charge percentage. When schedule is enabled, adjust the slider to indicate at what percentage the Battery Saver feature should automatically activate. You can choose anywhere between 5% to 75%.
	• Set the Battery Saver feature to automatically turn off when your tablet battery charge is above 90%.
Battery Manager	Turn the Battery Manager feature on to receive notifications applications draining above average battery power.
Battery percentage	Set to show or do not show battery percentage in status bar.
Last full charge	View time since the battery was fully charged.
Screen usage since last full charge	View amount of time when the screen was used since the battery was fully charged.

Display

In the Settings app, select **Display** to access the following settings.

Setting	Description
Brightness level	Set the Brightness level manually if Adaptive brightness feature is turned Off.
Night light	Activate the Night light feature to adjust the screen tint to a light amber for easier viewing and reading in dim light or for the hours you use the device before going to sleep. Set the feature to stay on or define a schedule to automatically turn the feature on or off. You can manually adjust the intensity of the amber hue once the feature is activated.
Adaptive brightness	Set how the screen in sleep mode responds when new notifications are received (i.e., wake or do not wake)
Wallpaper	Set the wallpaper.
Dark theme	Turn Dark Theme On or Off.
Advanced	
Screen timeout	Set the inactivity time limit before the unit automatically turns off the screen to save battery power (seconds or minutes). Also know as sleep mode.
Auto-rotate screen	Set the screen to switch from portrait to landscape when the unit is rotated. When Off, the screen does not automatically rotate.
Font size	Set the default on-screen text size.
Display size	Set the default size of items on your screen.

Setting	Description
Screen saver	Select to configure the screen saver. • Set a default screen saver (i.e., Clock, colors, Photo Frame, Photo Table). The additional settings icon appears based on the select screen saver type. Select the icon to view options. • Set when the screen saver activates (e.g., While charging, While docked, While charging and docked or Never). • Select Start Now to enable the feature.
Lock screen display	Select to configure what shows and what can be done when the screen lock is activated. • Choose to show or not show notifications. • Enable or restrict adding users from the lock screen. • Add a custom message to the lock screen. • Set the screen to wake or not wake when a notification is received.

Sound

In the Settings app, select **Sound** to modify the audio settings.

Storage

In the Settings app, select **Storage** to view statistics on available and used storage space on the device and on any portable storage cards installed.

Privacy

In the Settings app, select **Privacy** to manage permissions, account activity, and personal data.

Setting	Description
Permission manager	Manage personal data sharing privileges.
Show passwords	Enable or disable showing characters briefly as you type.
Lock Screen	Choose to show or not show notifications content on the Lock screen.
Autofill service from Google	Add or select Google account to access saved information.
Advanced	
Google location history	Add or select Google account to save location history.
Activity controls	Add or select Google account to access activities saved.
Ads	Add or select Google account to access advertising selections.
Usage & diagnostics	Enable or disable automatically sending data to Google.

Location

In the **Settings** app, select **Location** to enable or disable location, view app permissions, and access additional settings related to device location.

Setting	Description
Use location	Turn location services (Google and GPS satellite data) On or Off.
Recent Location Requests	View recent apps requesting location service.
App permission	View what apps have what type of permission for accessing the mobile tablet's location. Select an app to change the app-level location service permission. • Allow all the time • Allow only while using the app • Deny
Wi-Fi and Bluetooth scanning	Turn Wi-Fi and/or Bluetooth scanning On or Off. When enabled system apps and services are allowed to detect Wi-Fi networks or Bluetooth devices at any time to improve location services
Advanced	
Emergency Location Service	To turn On or Off Emergency Location Service (ELS).
Google Location Accuracy	To turn On or Off Location Accuracy.
Google Location History	Add or select Google account to turn Location History On or Off and to view account history.
Google Location Sharing	To view real-time location shared.

Security

In the **Settings** app, select **Security** view latest Security scan results, security updates and phone encryption status. Access additional settings related to device security.

Setting	Description
Screen Lock	Activate and configure a screen lock (i.e., None, Swipe, Pattern, Pin, Password).
Device admin apps	Manage administrator privileges.
Encryption & credentials	Select to view encryption status and manage credentials (e.g., view, install, clear, and edit). • Trusted credentials • User credentials • Install from storage • Clear credentials
Trusted agents	View and enable/disable trusted agent apps such as, Smart Lock by Google on the device. Trusted agents bypass security based on set parameters.
Screen pinning	Enable or disable the screen pinning feature. When enabled you can pin the device screen to a recently used app where it stays until you unpin the app via the security method chosen.

Accounts

In the **Settings** app, select **Accounts** to access the following settings.

Setting	Description
Add account	Select to add and manage Corporate or Email account on the tablet.
Automatically sync data	Turn auto-sync On or Off for accounts. Turning the feature On allows apps to refresh data automatically.

Accessibility

In the Settings app, select **Accessibility** to access screen readers, display settings, interaction controls, and audio & on-screen text features to improve accessibility levels.

Setting	Description
Volume Key Shortcut	When turned on, the feature provides spoken feedback so you can use the tablet without always looking at the screen. TalkBack describes your actions and tells you about alerts and notifications
Downloaded Services	

ScanWedgeAccessiblity	Enable or Disable ScanWedgeAccessibility service.
	This feature is turned off by default. When the feature is turned on you are asked to allow the ScanWedgeAccessibility service to have full control of your device so the service can:
	
	• View and control screen
	  The service can read all content on the screen and display content over other apps.
	
	• View and perform actions
	  The service can track your interactions with an app or a hardware sensor, and interact with apps on your behalf.
	
	For example, when the ScanWedgeAccessibility service is on, quick pairing with another Bluetooth device by scanning barcode is enabled.

Screen Readers	
Text-to-speech output (TTS)	Select and configure the preferred TTS, set language, speech rate and pitch of synthesized voice.
Display	Configure display features that may aid visual accessibility levels. • Adjust Font size. • Adjust Display size. • Turn Dark theme on or off. • Turn the Magnification feature on or off. • Set Color correction. • Turn Color inversion on or off • Turn Large mouse pointer on or off. • Turn Remove animations on or off.

Setting	Description
Interaction controls	Set interaction controls that may aid physical accessibility levels. • Set the Dwell timing delay (i.e., click after pointer stops moving). • Turn Auto-rotate screen on or off. • Adjust the Touch & hold delay. • Adjust the Time to take action (Accessibility timeout) delay. This adjusts how long temporary action messages appear on the screen. • Accessibility Menu provides large on-screen menus. • Turn Vibration & haptic feedback on or off for Ring tone, Notifications, Touch.
Audio & on-screen text	• Turn Mono audio on or off. • Adjust Left and Right audio balance. • Set Caption preferences.
High contrast text	Turn High contrast text on or off.

Honeywell Settings

In the Settings app, select **Honeywell Settings** to access the settings below.

Setting	Description
Battery LED	Configures the battery LED behavior. To learn more see, About the Battery Status LED Setting, page 7
Battery Monitor	View the battery charge status and battery information such as overall battery health, internal temperature, and serial number.
Battery Optimizer	View battery status and app usage information. Select Status to choose a preset profile or create a custom battery optimization profile that implements a group of settings to conserve power. Options include: • None When selected, no battery optimization profile is active. • Energy Saver This pre-defined profile implements UI settings that optimize battery conservation. • Cold Storage This pre-defined profile implements UI settings that optimize battery conservation in cold storage environments. • Custom Profile Select to create a custom battery profile that balances your application needs with energy saving settings. You can turn location services on or off, configure sound and vibration options, modify brightness and timeout display options, turn UI transition animations on or off, and background services on or off.
Digital Scan Button	Enable and configure the optional digital scan button. To learn more, see Enable and Configure the Digital Scan Button, page 34.
DisplayDockService	Configure the display dock settings. For more information about these settings, see the ScanPal EDA71 Display Dock User Guide available at www.honeywellaidc.com.
GloveMode	Enable or disable Glove mode.

Setting	Description
HXLogger	The HXLogger is an advanced diagnostic log service that provides a basic log service, plugins for modified log services, and a log manager. When enabled, the service records app and system diagnostic troubleshooting information in four basic log files: main log, radio log, event log, and kernel log. • Select **HXLogger** toggle switch to turn the basic log service on or off. To change the maximum number of bootset folders, tap, and then select the maximum **BootSet** folder count. Tap **OK**. • Select **PlugIn** to view and enable additional log services and custom plugins. Select a plug name, and then use the toggle switch to turn it on or off. Modify the plugin settings once enabled. • Select **Manager** to change the default log path, delete logs, or upload logs for technical support troubleshooting. To change the log path, tap **Change log path** then select an available path. Tap **OK**. To delete log files, press and hold a log name. Check boxes appear. Select the box for each log file to delete , and then tap the trash can icon.
Key WakeUp	Set the buttons you want to use to wake the tablet from sleep mode. Options include: PTT (push-to-talk), Left Scan, Middle Scan, Right Scan, Volume Up, Volume Down. By default the Left, Middle and Right Scan buttons are enabled for wake up.
Keyremap	Change (remap) a button or key function. To learn more, see Remap a Button or Key on page 19.
Provisioning Mode	Enable or disable unrestricted installation of applications, certificates, configuration files, and licenses. Provisioning mode is turned Off by default. To learn more About Provisioning Mode, see page 65.
Scanning	Configure the tablet imager. To learn more, see Change the Scanner Settings on page 28.
Smart sensors	Configures the integrated motion detection sensors for advanced power management. Options include: Keep awake on motion, Wake on motion, Face down suspend.
Staging Hub Agent	Use this agent and settings to connect the tablet to the Honeywell Staging Hub Foundation software platform; a centralized software platform IT integrators and administrators can use as a solution for managing, monitoring and deploying Honeywell devices in a connected workspace environment. See the Staging Hub Foundation online help for information on setting up Staging Hub and managing connected devices.
Web Applications	Enables access for the Honeywell Mobility SDK for Web apps and lets you set a port.

Digital Wellbeing

In the Settings app, select **Digital Wellbeing** to access the following settings. See https://wellbeing.google/.

Google

In the Settings app, select **Google** to set up and manage your Google accounts and services.

System

In the **Settings** app, select **System** to access the following settings.

Setting	Description
Language & input	• Set the Device Language • Set and mange the Virtual and Physical keyboard input methods • Under Advanced configure the: • Spell checker • Autofill service • Personal dictionary • Pointer speed
Gestures	Enable, disable and configure button shortcuts. • Jump to camera by pressing the power button twice. • Prevent ring (Vibrate or Mute) by simultaneously pressing the Power & Volume up button.
Date & time	Configure all date and time settings
Backup	Turn the Google Drive backup feature On or Off. When enabled, phone data (e.g., apps, apps data, call history, contacts, device settings, SMS, Wi-Fi passwords and permissions) is automatically backed up to the Google Drive.
Advanced	
Reset options	Select from the following reset options: • Reset Wi-Fi, Mobile & Bluetooth. Use to reset all network settings, including Wi-Fi, Mobile data and Bluetooth. • Reset app preferences. Use reset app preference back to defaults. This apps you disabled, notification changes, default app actions set, background data restrictions for apps and permission restrictions. • Enterprise data reset. To learn more, see About Enterprise Data Reset on page 71. • Erase all data (factory reset). To learn more, see About Full Factory Reset on page 72.
Multiple Users	• Modify the owner profile name and add profiles for other people who use the tablet. • Activate a different user profile. • Enable or disable allowing users to be added from the lock screen.
Developer options	Enable developer-specific options such as USB debugging and SD card protection. This option only appears under System settings if you enable to feature. To learn more, see Unlock Developer Options on page 26.
System update	View and check system update.

About Phone

In the Settings app, select **About Phone** to access the following settings.

- View device-specific information including the model number, phone number, operating system version, software patch version, radio versions, build number, IP address, Wi-Fi MAC, Bluetooth Address and legal information.

About Network Communications

You can easily add the tablet to your wireless or wired data collection network. Connect the EDA71 your tablet using:

- Mobile network
- 802.11 a/b/g/n/ac radio communications.
- Bluetooth communications.
- USB communications.

Connect to a Wi-Fi Network

The tablet contains an 802.11 a/b/g/n/ac radio to transfer data using wireless communications. Before you connect to a Wi-Fi network, you need to know about your network security protocol and its required credentials.

By default, the 802.11 radio is disabled.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap Settings ⚙ > **Network & Internet** > **Wi-Fi**.

3. Tap **Off** ◯ to toggle Wi-Fi radio **On** ●. A list of discovered networks appears.

4. On the list, tap a network name to initiate a connection.

   To add a network if it does not appear on the list:

   a. Navigate to the end of the discovered network list, and then tap **Add network**.

   b. Type the Wi-Fi network name (SSID).

   c. Choose a security protocol and add any required information.

   d. Tap **Save**.

5. Enter any required information if the network is secured (e.g., password, key or certificate name).

6. Tap **Connect**.

Once you connect to a saved Wi-Fi network:

- Tap the network name on the list to view details (e.g., status, signal strength, speed, frequency, security type). Select ← to close details screen.

- The tablet automatically connects to the same network when the network is in range and the WLAN radio is turned On.

- To remove a network from your saved list, tap and hold the network name and select **Forget network**. You can do this for networks you no longer use.

- To modify a network from your saved list, tap and hold the network name and select **Modify network**. You can do this if you changed your network password.

- To view a list of only your saved networks, tap ⚙, and then select **Saved networks**.

Configure Proxy Settings for a Wi-Fi Network

If you need to connect to network resources through a proxy server, you can configure settings for the proxy server for each Wi-Fi network you add. By default, the Wi-Fi networks you add are not configured to connect through a proxy server.

Note: *Proxy settings apply only to the Wi-Fi network you modify. You must change proxy settings for each network requiring a proxy server.*

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap Settings ⚙ > **Network & Internet** > **Wi-Fi**. The list of available Wi-Fi networks appears.

3. Tap and hold the name of a connected network, and then tap **Modify network**.

4. Tap **Advanced options**.

5. Under Proxy, tap **None** to open menu, and then select **Manual**.

6. Enter the proxy settings for the network.

7. Tap **Save**.

Disable Wi-Fi Notifications and Set WLAN Radio Sleep Parameter

By default, when Wi-Fi is enabled, you receive notifications in the Status bar when the tablet discovers a wireless network. You can disable these notifications.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap Settings ⚙ > **Networks & Internet** > **Wi-Fi**. Verify the WLAN radio is turned On.

3. Navigate to the bottom of the discovered network list.

4. Select **Wi-Fi preferences**.

5. Tap **Open network notification** to toggle the setting On or Off.

Connect to an Ethernet Network

To connect the tablet to an Ethernet network, you need a EDA71 Display Dock or EDA71 Ethernet Base.

1. Make sure the base is connected to your Ethernet network.
2. Place the tablet in the base.
3. Swipe up from the bottom of the Home screen to access all apps.
4. Tap Settings ⚙ > **Network & Internet** > **Ethernet**. The Ethernet setting is turned On by default.
5. Tap **Ethernet**.

   The Ethernet connection screen shows the current Ethernet connection. By default, the tablet assumes a DHCP connection, and that your network has assigned an IP address automatically. If DHCP is working, the Ethernet base should indicate that communication with the network is occurring.
6. (Optional) To assign a static IP address.

   a. Tap **DHCP** and then select **Static** from the list.

   b. Enter the required network information, and then tap **Apply**.
7. Tap **Save**.

How to Connect to Virtual Private Networks

The tablet supports connecting to virtual private networks (VPN). This section describes how to add and connect to VPNs. To configure VPN access, you must obtain details from your network administrator. You can view and change VPN settings in the Settings app.

Note: *Before you can add or connect to a VPN network, you must enable a screen lock method.*

Add a VPN

Before you can connect to a VPN, you must create a VPN profile.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings** ⚙ > **Network & Internet** > **VPN**.
3. Tap ➕ to add a VPN new profile.
4. Enter the required information for the VPN connection. If needed, swipe up on the screen to access all the required information fields.
5. Tap **Save**. The VPN name appears in the VPN list.

Connect to a VPN

Once a VPN profile is created, you can connect to the VPN at any time.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Network & Internet** > **VPN**.

3. Tap the name of the VPN in the list.

4. Enter any necessary credentials when prompted.

5. Tap **Connect**. A 🔑 appears in the status bar and a notification is received. To disconnect from the VPN, tap the notification.

Edit VPN Information

Editing an existing VPN profile can be done from the VPN screen.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Network & Internet** > **VPN**.

3. Tap and hold the name of the VPN in the list.

4. Tap ⚙ to the right of the VPN profile you want to edit.

5. Edit the VPN settings as necessary.

6. When you are done, tap **Save**.

About Wireless Security

The tablet provides these security solutions for your wireless network:

*   Wi-Fi Protected Access 2 (WPA2™)
*   Wi-Fi Protected Access (WPA)
*   802.1x

Honeywell recommends WPA2 security with PSK (Personal) or 802.1x (Enterprise) key management.

Before you set security, you need to enable the radio, set the date, and set the SSID on your tablet. To use 802.1x security, you need to load a root certificate on your tablet. To use transport layer security (TLS) with 802.1x security, you also need to load a user certificate.

Use the Settings app to access and configure all wireless security settings.

About Certificates

You can use digital certificates to identify the tablet for network access or authentication to servers. To use a certificate to identify your device, you must install it in the trusted credential storage on the tablet.

Android supports DER-encoded X.509 certificates saved in files with a .crt or .cer file extension. To install a valid certificate with a .der or other extension, you must change the extension to .crt or .cer to install it.

Android also supports X.509 certificates saved in PKCS#12 key store files with a .p12 or .pfx extension. To install a valid key store file with another extension, you must change the extension to .p12 or .pfx to install it. When you install a certificate from a PKCS#12 key store, Android also installs any accompanying private key or certificate authority certificates.

Load a Certificate

To use a certificate, you must install it in the trusted credential storage on the tablet.

Note: *Apps such as email and browsers that support certificates allow you to install certificates directly from within the app. For more information, see the help that comes with the app.*

1. Copy the certificate or key store from your PC to the mobile tablet.
2. Swipe up from the bottom of the Home screen to access all apps.
3. Tap **Settings** ⚙ > **Security** > **Encryption & credentials**.
4. Tap **Install from storage**. Navigate to the location where you saved the certificate or key store.
5. Tap the certificate or key store to install it. If prompted, enter the key store password and tap **OK**.
6. Select **VPN and apps** or **Wi-Fi.**
7. Enter a name for the certificate and tap **OK**.

Disable or Remove Certificates

If a user or system certificate is compromised, or your organization chooses not to trust it, you can disable or remove the certificate.

1. Swipe up from the bottom of the Home screen to access all apps.
2. Tap **Settings** ⚙ > **Security** > **Encryption & credentials**.
3. Select **Trusted credentials**.

The trusted credentials screen has two tabs:

- **System** shows Certificate Authorities (CA) certificates permanently installed on the tablet. They can only be disabled.

- **User** shows CA certificates you have installed yourself. You can remove these certificates.

4. Tap the name of the certificate to you want to disable or remove. The Security certificate screen appears.

5. Scroll to the bottom of the screen and tap **Disable** (for System certificates) or **Remove** (for User certificates).

6. Tap **OK**.

Note: *You can enable a disabled System certificate but if you remove a User certificate, you must install it again to enable it.*

About Bluetooth Communications

Your tablet is equipped to communicate with other devices using Bluetooth technology. The Bluetooth radio must be turned On to discover, pair and connect to other Bluetooth devices. System bar icons indicate Bluetooth radio status.

Connect a Bluetooth Device

To connect to a Bluetooth device, you must turn On the Bluetooth radio and then select the device from a list of discovered devices.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** > **Connected devices** > **Bluetooth**.

3. If necessary, tap **Off** to toggle the Bluetooth radio **On** . A list of available Bluetooth devices appears.

4. Tap **Pair a new device**.
A list of available Bluetooth devices in range appears.

5. Select a device on the list to initiate a pairing request.

6. When the pairing request message appears:

- Verify the pairing PIN is the same on both device, and then tap **Pair**.

OR

- If the pairing request requires a PIN, enter the **PIN,** and then tap **Pair**.

When the device is successfully paired with the tablet, the device name appears under Paired devices.

7. (Optional) Once paired to a device, you can connect manually to the device. Tap the device under Paired devices. The word "Connected" appears under the

paired device name.

The status icon changes from to .

- To disconnect a paired device, tap the name of the paired device and then tap **OK** when the "Disconnect?" screen appears.

Rename the Tablet and View File History

You can change the name of the tablet to make it easier to identify when pairing with other Bluetooth enabled devices and view statistics about received files.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** > **Connected devices** > **Bluetooth**.

3. Tap **Device Name**. Type the new name and then select **Rename**.

Rename, Share, or Unpair a Paired Device

You can rename a paired device to make it easier to identify on the list or unpair the device to remove it from the paired list.

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** > **Connected devices** > **Bluetooth**.

3. Tap next to the paired device.

4. Take one of the following actions:

   - To rename the device, type the new name, and then tap **OK**.

   - To allow **Internet connection sharing** or **Contact Sharing**, tap the check box next to the setting.

   - To unpair the device, tap **Forget**.

About Serial and USB Communications

You can use these accessories to transmit data to and receive data from another device through serial or USB communications:

- Vehicle dock
- Home Base
- Ethernet Home Base
- Display Dock
- USB snap-on adapter

USB Troubleshooting

- If you have a problem with your workstation tablet recognizing the USB device, try downloading and installing the Honeywell-aidc-usb-driver. The driver is part of the Honeywell_Mobility SDK_Android software.zip file. To learn where to get the software, see Developer Information on page 64.

- Check to make sure you have enabled the USB for file transfer. To learn more, see How to Transfer Files on page 15

How to Share Your Mobile Data Connection

You can share the mobile data connection through USB tethering or Bluetooth tethering. You can also use the tablet as a Wi-Fi hotspot to share the connection with other devices.

Share the Data Connection Through USB or Bluetooth

You can share your data connection with another device through tethering. After you connect the tablet to another device through a USB connection, you can share the tablet's data connection through USB tethering. Or, if the device is Bluetooth-capable, you can configure the tablet to share the data connection with the device through Bluetooth tethering.

1. Prepare the devices.
   - For USB – Connect the tablet to another device through an EDA71 accessory and USB communication cable. Make sure your USB connection is set to File Transfer instead of Charging.
   - For Bluetooth – Pair your EDA71 with another Bluetooth enabled device. Make sure the other device is set to use a network connection by Bluetooth.

2. Swipe up from the bottom of the Home screen to access all apps.

3. Tap **Settings** ⚙ > **Network & internet** > **Hotspot & tethering**.

4. Select the type of tether to initiate:
   - Tap **USB tethering**.
   - Tap **Bluetooth tethering**.

   The devices is now sharing the tablet data connection.

Note: *To stop sharing the connection, disconnect the USB cable, or tap* **USB tethering** *or* **Bluetooth tethering** *again to turn Off the feature.*

About Near Field Communication (NFC)

NFC technology provides the ability for short-range, wireless data transfer between the EDA71 and NFC tags or other NFC enabled devices placed in close proximity to the back of the tablet. All EDA71 mobile tablets support the following modes of operation:

- NFC tag reader/writer mode: The tablet reads and/or writes digital information from or to an NFC tag.

- Peer-to-Peer (P2P) mode: The tablet uses Android Beam and/or Bluetooth technology to transfer screen content (e.g., a picture, contact information, Web page url, or file) between NFC enabled devices.

- NFC card emulation mode: The tablet emulates an NFC card (smart card) that an external card reader can access. You can download and install apps for card emulation mode from the Google Play Store. Some examples include digital wallets (e-wallets) offered by your bank or credit card company and Google Pay.

  The app you install determines the type of emulation mode used: Card Emulation with a Secure Element or Host-based Card Emulation. Secure element use is common for financial transactions that require a high level of security in order to provide a secure memory and execution environment for running custom smart card applets and storing your personal information (e.g., account information and credentials).

Note: *When using a Universal Integrated Circuit (UICC) card for NFC Secure Element NFC link encryption, install the card in SIM slot 1.*

Developer Information

To download the Honeywell Mobility SDK for Android and EZConfig for Mobility:

1. Go to www.honeywellaidc.com.

2. Select **Resources** > **Software**.

3. Click on the *Technical Support Downloads Portal* link, https://hsmftp.honeywell.com.

4. Create an account if you have not already created one. You must login to download the software.

5. Install the *Honeywell Download Manager* tool on your workstation (e.g., laptop or desktop tablet) prior to trying to download any files.

6. Navigate to the software:

   - *Honeywell Mobility SDK for Android*
     Click on **Software** > **Software and Tools** > **Developer Library** > **SDKs for Android**.

   - *EZConfig for Mobility*
     Click on **Software** > **Software and Tools** > **EZConfig for Mobility**.

7. Select **Download** next to the software zip file.

About Provisioning Mode

Once you complete the out-of-box initial setup process, Provisioning mode is automatically turned Off to improve device security against unwanted modifications to the system.

When Provisioning mode is turned Off (disabled):

- Configuration barcodes do not scan and process.
- \honeywell\autoinstall folders are inaccessible.

Note: *To learn more about network and security for Honeywell mobile tablets with Android operating systems, go to* *www.honeywellaidc.com.*

Enable or Disable Provisioning Mode

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Provisioning Mode** .

3. Tap the button to toggle the provisioning **On** or **Off**.

MANGE AND MAINTAIN THE TABLET

Use this chapter to understand how to upgrade software, reset, and maintain the tablet.

About Software Updates

Honeywell provides patches and security updates for existing software products at no additional charge. Software upgrades (from one major version to another) may involve additional charges. Some licensed software that Honeywell distributes requires user registration and log in before the software can be downloaded.

Support for Honeywell Safety and Productivity Solutions products is available online through the Technical Support Portal.

Software downloads can be accessed through the Technical Support Downloads Portal.

1. Go to www.honeywellaidc.com.

2. Select **Resources** > **Software**.

3. Click on the *Technical Support Downloads Portal* link, https://hsmftp.honeywell.com.

4. Create an account if you have not already created one. You must login to download the software.

5. Install the *Honeywell Download Manager* tool on your workstation (e.g., laptop or desktop tablet) prior to trying to download any files.

6. Locate the app or upgrade you want to download in the Software directory tree.

7. Select **Download**. Follow the prompts to download the file.

About Transferring Files via USB Connection

If you plan on using a USB connection to transfer the upgrade files to the mobile tablet, make sure you set the USB connection to allow file transfers. To learn more, see Configure USB Connection and Transfer Files on page 15.

Install Software Updates with AutoInstall

Important: *The EDA71 must have power for the entire length of the upgrade process or it could become unstable. Do not attempt to remove the battery during the process.*

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Provisioning mode**.

3. Tap the toggle button to turn Provisioning mode **On**.

4. Save the upgrade file (*.zip or *.apk) to the following folder on the EDA71 tablet:

   - **Internal shared storage\honeywell\autoinstall**
     Software upgrades saved to this folder for installation, do not persist when a Full factory reset or Enterprise data reset is performed.

5. Swipe up from the bottom of the Home screen to access all apps.

6. Tap **AutoInstall Settings** and verify **Autoinstall** is enabled ☑.

7. Tap **Packages Update** from the AutoInstall Settings screen.

   The tablet automatically initiates a reboot and installs the software upgrade. The system update screen appears during the upgrade process. When the update is finished, the lock screen appears.

8. Once installation is complete, turn Provisioning mode **Off**.

Note: *Some updates do not require the tablet to reboot before installation.*

Optional microSD Card Method

The EDA71 comes equipped with a microSD card socket. You can install an upgrade from a microSD card you insert in the tablet.

Important: *The EDA71 must have power for the entire length of the upgrade process or it could become unstable. Do not attempt to remove the battery during the process.*

1. On the EDA71, swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Provisioning mode**.

3. Tap the toggle button to turn Provisioning mode **On**.

4. Tap **AutoInstall Settings** . Verify **AutoInstall** is enabled ☑.

5. Press and hold the **Power** button, and then tap **Power off**.

6. On your workstation (e.g., laptop, desktop tablet), format the microSD card and create a **\honeywell\autoinstall** folder on the root of the card.

7. Save the upgrade file in the **autoinstall** folder.

8. Install the microSD card in the EDA71, and then press the **Power** button.

The tablet automatically runs the upgrade found in the autoinstall folder on the card. The system update screen appears during the upgrade process. When the upgrade is finished, the lock screen appears.

9. Once installation is complete, turn Provisioning mode **Off**.

About the Honeywell Upgrader

Use the Honeywell Upgrader app (HUpgrader) to check for and install OTA updates or view the current OTA version installed on the tablet.

How to View the Installed OTA Version

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **HUpgrader** to open the Honeywell Updater app. The OTA version number installed on the tablet appears on the screen.

OTA Update

H

Check for updates

Current OTA Version On Device
216.01.00.0021

Latest OTA Version On Server
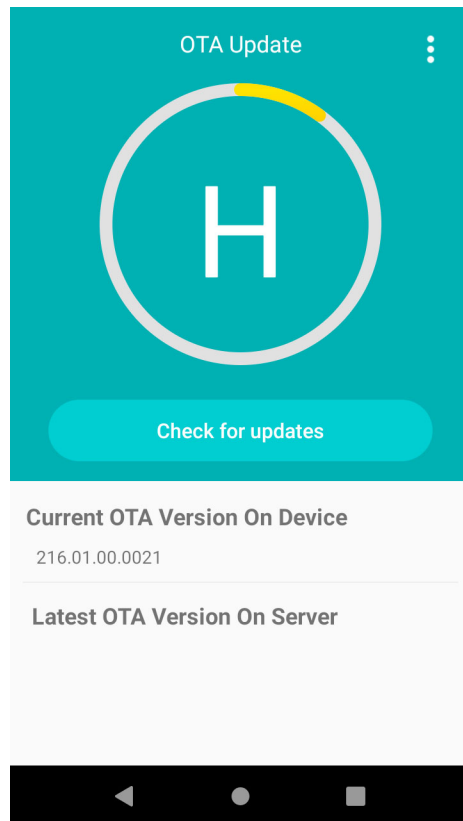
Install OTA Updates

To use the HUpgrader to install an OTA update file downloaded from the Technical Support Downloads Portal:

1. Swipe up from the bottom of the Home screen to access all apps.

2. Tap **Settings** ⚙ > **Honeywell Settings** > **Provisioning mode**.

3. Tap the toggle button to turn Provisioning mode **On**.

4. Save the OTA file (*.zip) in the following folder on the EDA71 tablet:

   • **Internal shared storage\Download**

5. Tap **HUpgrader** 🔄 to open the Honeywell Updater app.

6. Tap ⋮ in the upper right corner, and then tap **Select OTA from storage**.

7. Select the storage location (i.e., Internal Storage) where you saved the file.

8. Tap the OTA update file. The tablet examines the file, and then starts the installation.
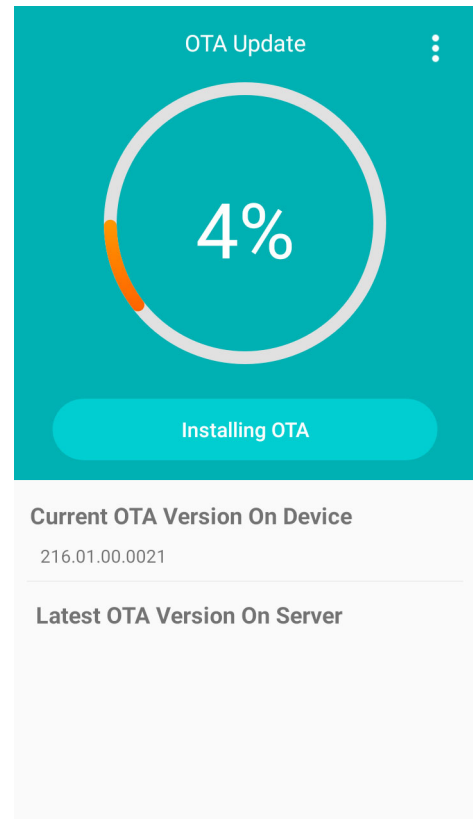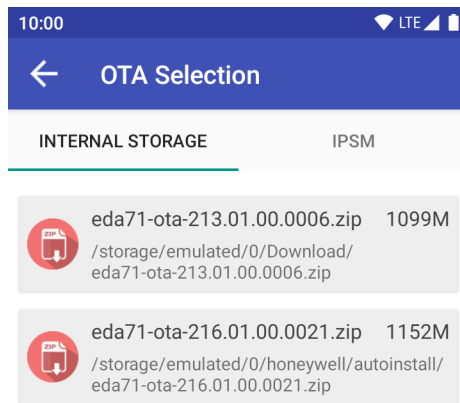
9. Once the installation is complete (100%), select **OK** when prompted to **Reboot** the tablet. The tablet reboots and finishes the update.

Reboot (Restart) the Tablet

You may need to reboot the tablet to correct conditions where an application stops responding to the system.

1. Save your files and close any open applications.

2. Press and hold the **Power** button until the options screen appears.

3. Tap **Restart**. The tablet restarts.

If the touch panel display is unresponsive:

*   Press and hold the **Power** button for approximately 8 seconds until the tablet reboots.

About Enterprise Data Reset

You can perform an Enterprise data reset if a Reboot did not improve the condition and all other troubleshooting methods have not resolved the issue. This method provides a clean configuration for troubleshooting by erasing all data from the **Internal shared storage** location on the tablet. Data is not erased from the IPSM Card location.

> ⚠ **Caution:** An Enterprise data reset results in data loss, only perform this procedure if all other recovery methods have failed. All personal content is erased including, but not limited to emails, pictures, contacts, Google account information, system settings and app settings.

Note: *This method of recovery may not be available if your system administrator has set policies to prevent the reset use.*

Before You Begin

*   If you recently reset your Google Account password, wait 24 hours before performing a Enterprise data reset.

*   Make sure you have your screen lock password, PIN or pattern if you activated one. You will need this to reset the tablet.

*   If you have a Google Account, back up your data and settings to your Google Account so you can restore them if needed.

*   Connect the tablet to an external power source or make sure you have a full battery charge.

*   Make sure you have an Internet connection.

Enterprise Data Reset the Tablet

1. Swipe up from the bottom of the Home screen to access all apps.

2. Select **Settings** ⚙ > **System** > **Advanced** > **Reset options**.

3. Tap **Enterprise data reset**.

4. If prompted, type your screen lock security pattern, PIN, or password and tap next (⟩).

5. Tap **Reset enterprise data**. A message appears informing you an Enterprise data reset is being performed.

About Full Factory Reset

A Full Factory Reset should only be performed if you have exhausted all other troubleshooting options. This method reverts the tablet back to the factory state by erasing all data in **Internal shared storage** and the **IPSM Card** storage locations on the tablet.

⚠ **Caution:** A Full factory reset results in data loss. Perform this procedure only if all other recovery methods have failed and have no other option. All personal content is erased including, but not limited to emails, pictures, contacts, Google account information, system settings and app settings.

Note: This method of recovery may not be available if your system administrator has set policies to prevent the reset use.

Before You Begin

- If you added a Google Account to the 71 Series tablet, make sure you have your Google username and password associated with the tablet. If you do not have the username and password, you will not be able to use the tablet after the reset. This is a security measure that prevents unauthorized users from using the device if they try a Full factory reset.

- If you did not add a Google Account to the tablet, the extra security level is not enabled and you will not need a Google username and password.

- If you recently reset your Google Account password, wait 24 hours before performing a Full factory reset.

- Connect the tablet to an external power source or make sure you have a full battery charge.

- Make sure you have an Internet connection.

Full Factory Reset the Tablet

1. Swipe up from the bottom of the Home screen to access all apps.
2. Select **Settings** ⚙ > **System** > **Advanced** > **Reset options**.
3. Tap **Erase all data (factory reset)**.
4. Tap **Reset Phone**.
5. If prompted, type your screen lock security pattern, PIN, or password and tap next (❯).
6. Tap **Erase all data**. A message appears informing you an Full factory reset is being performed.

Repairs

Repairs and/or upgrades are not to be performed on this product. These services are to be performed only by an authorized service center (see Customer Support on page ix).

Maintenance

Your device provides reliable and efficient operation with a minimum of care. Although specific maintenance is not required, the following sections describe periodic checks to ensure dependable operation.

Clean the tablet

The tablet housing, scanner window, camera window and touch screen may be cleaned with a soft cloth dampened with water or a mild detergent-water solution. If a mild detergent solution is used, wipe the tablet with a clean cloth dampened only with water to remove any detergent residue.

Reading performance may degrade if the scanner window is not clean. If the window is visibly dirty, or if the scanner is not operating well, clean the window.

⚠️ **Caution:** **Do not submerge the tablet in water or cleaning solution. Do not use abrasive wipes or cloths on the windows or touch screen. Abrasive wipes may scratch the windows and touch screen. Never use solvents (e.g., acetone) on the housing or window. Solvents may damage the tablet finish, the windows or touch screen.**

Caution: **Ensure all components are dry prior to mating the tablet with charging accessories or other peripheral devices. Mating wet components may cause damage not covered by the warranty.**

A SPECIFICATIONS

Tablet Agency Information

EDA71 tablets meet or exceed the requirements of all applicable standards organizations for safe operation. The best way to ensure safe operation is to use the tablet according to the agency guidelines on the product regulatory sheet, quick start guide and in this user guide. Read all guidelines before using your tablet.

Product documentation is available for download from www.honeywellaidc.com.

Public certificates are available for download from www.honeywellaidc.com/compliance.

Label Locations

Labels inside the battery compartment contain information about the tablet including, compliance information, model number, serial number, IMEI number (EDA71-1 models only) and MAC address. Laser safety labeling is located on the back of the tablet.

Physical and Environmental Specifications

1. Go to www.honeywellaidc.com.
2. Type EDA71 in the Search box and then press **Enter**.
3. Select the **Products** tab.
4. Click the red arrow under the EDA71 *Tablet* description.
5. Select one of the following:
   - **Specifications**
     View System Architecture, Wireless Connectivity, Mechanical, and Environmental specifications.
   - **Documents**
     Download the Data Sheet, Accessory Guide, Quick Start Guide, User Guide, Regulatory Information, Battery Information and other product documentation.

Barcode Symbologies Supported

The tablet supports the following barcode symbologies:

1D Symbologies		2D Symbologies		Postal Codes	
	Default		**Default**		**Default**
Codabar	Enabled	Aztec Code	Enabled	China Post	Disabled
Code 39	Enabled	Codablock A	Disabled	Korean Post	Disabled
Code 11	Disabled	Codablock F	Disabled	2D Postal Settings	Disabled
Code 93	Disabled	DataMatrix	Enabled	Australia Post	Disabled
Code 128	Enabled	DotCode	Disabled	Info Mail	Disabled
ISBT 128	Disabled	Grid Matrix	Disabled	Japan Post	Disabled
Composite	Disabled	HanXin	Disabled	Canada Post	Disabled
Digimarc	Disabled	Maxicode	Disabled	Dutch Post (KIX)	Disabled
EAN-8	Enabled	Micro PDF 417	Disabled	Planet	Disabled
EAN-13	Enabled	PDF 417	Enabled	Postnet	Disabled
GS1-128	Enabled	QR Code	Enabled	BPO	Disabled
GS1 DataBar	Disabled	TLC 39	Disabled	UPU	Disabled
IATA 2 of 5	Disabled	OCR	Disabled	USPS	Disabled
Standard 2 of 5	Disabled				
Interleaved 2 of 5	Enabled				
Matrix 2 of 5	Disabled				
MSI	Disabled				
Telepen	Disabled				
Trioptic Code	Disabled				
UPC/EAN	Disabled				
UPC-A	Enabled				
UPC-E	Enabled				
UPC-E1	Disabled				

Note: *To learn about changing the symbology settings, see Change the Scanner Settings on page 28.*

N6703 Ultra-Slim Imager Engine Reading Distances

The depth of field measurements were taken using these parameters:

- Distances are measured from the front of the engine to the barcode
- 23 °C (+73 °F), 0 lux for guaranteed and 200 lux for typical
- Clear, High quality barcodes

Note: *Time to Read and Depth of Field are impacted if the barcode symbol is at the edge of the image.*

Guaranteed Specs

Focus		Standard Range (SR)	
Symbology		**Near Distance**	**Far Distance**
5 mils Code 39	mm	79	270
	in.	3.11	10.63
10 mils Code 39	mm	40	450
	in.	1.57	17.72
20 mils Code 39	mm	44	674
	in.	1.73	26.53
13 mils 100% UPC-A	mm	44	515
	in.	1.73	20.27
15 mils Code 128	mm	42	572
	in.	1.65	22.52
10 mils Data Matrix	mm	83	236
	in.	3.27	9.29
5 mils PDF 417	mm	119	177
	in.	4.68	6.97
6.7 mils PDF 417	mm	96	236
	in.	3.78	9.29
7 mils QR	mm	123	147
	in.	4.84	5.79
15 mils QR	mm	39	390
	in.	1.54	15.35

Typical Specs

Focus		Standard Range	
Symbology		**Near Distance**	**Far Distance**
3 mils Code 39	mm	106	176
	in.	4.17	6.93
5 mils Code 39	mm	70	301
	in.	2.75	11.85
10 mils Code 39	mm	40	517
	in.	1.57	20.35
20 mils Code 39	mm	44	800
	in.	1.73	31.50

Focus		Standard Range	
Symbology		Near Distance	Far Distance
13 mils 100% UPC-A	mm	44	573
	in.	1.73	22.56
13 mils 20% UPC-A	mm	79	228
	in.	3.11	8.98
15 mils Code 128	mm	42	650
	in.	1.65	25.59
10 mils Data Matrix	mm	72	297
	in.	2.83	11.69
5 mils PDF 417	mm	105	181
	in.	4.13	7.12
6.7 mils PDF 417	mm	84	244
	in.	3.31	9.61
15 mils QR	mm	39	414
	in.	1.54	16.30

N6703 Imager Engine Field of View/Resolution

Focus	
Horizontal Field Angle (degrees)	48
Vertical Field Angle (degrees)	31

Note: *DPI can be calculated based on the following formula:*
Horizontal DPI = 832 pixels/width of horizontal field of view (inches) Vertical DPI = 640 pixels/width of vertical field of view (inches)

N3601 Imager Engine Reading Distances

The depth of field measurements were taken using these parameters:

- Distances are measured from the top of the engine to the barcode
- 23 °C (+73 °F), 10K lux
- Clear, High quality barcodes

Note: *Time to Read and Depth of Field are impacted if the barcode symbol is at the edge of the image.*

Guaranteed Specs

Focus		Standard Range	
Symbology		**Near Distance**	**Far Distance**
100% UPC-A	mm	62	470
	in.	2.4	18.5
5 mils Code 39	mm	97	176
	in.	3.1	6.9
10 mils Code 39	mm	31	455
	in.	1.2	17.9
20 mils Code 39	mm	65	630
	in.	2.6	25.8
15mils Code 128	mm	60	600
	in.	2.4	23.6
6.7 mils PDF 417	mm	63	190
	in.	2.5	8.0
15 mils QR	mm	60	270
	in.	2.4	10.6

Typical Specs

Focus		Standard Range (SR)	
Symbology		**Near Distance**	**Far Distance**
100% UPC-A	mm	60	520
	in.	2.4	20.5
5 mil Code 39	mm	75	189
	in.	3.0	7.4
10 mil Code 39	mm	31	455
	in.	1.2	17.9
20 mil Code 39	mm	65	630
	in.	2.6	25.8
15 mil Code 128	mm	60	600
	in.	2.4	23.6
6.7 mil PDF 417	mm	63	190
	in.	2.5	8.0
15 mil QR	mm	50	280
	in.	2.0	12

N3601 Imager Engine Field of View/Resolution

Focus	Standard Range (SR)
Horizontal Field Angle (degrees)	±24.5 ±1.5°
Vertical Field Angle (degrees)	±18.5 ±1.5°

Note: DPI can be calculated based on the following formula:
Horizontal DPI = 832 pixels/width of horizontal field of view (inches)
Vertical DPI = 640 pixels/width of vertical field of view (inches)

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