ZEBRA
CAPTURE
YOUR EDGE

MC3300ax Mobile Computer

The next generation in Wi-Fi 6 and device tracking technology

Building on the success of our highly successful MC3300x mobile computer, the MC3300ax offers new features that will take workforce productivity, device utilization and application development simplicity to the next level. Support for Wi-Fi 6 delivers unmatched Wi-Fi performance and future-proofing — whether you are in the process of migrating to Wi-Fi 6 or planning to migrate in the near future, with the MC3300ax, you're ready. Support for the latest version of Device Tracker means no more lost devices — an optional battery with an integrated Bluetooth beacon makes it easy to find a missing device in minutes. Enterprise Browser is yours to use, free of charge, so it's easy to create intuitive apps that take advantage of all of the MC3300ax features. And since you can use all of your MC3300x accessories, upgrading to the latest mobile platform couldn't be easier or more cost-effective.

Powerful features to boost productivity

Built for all-day business
You get reliable operation and peace of mind with an increased 6 ft./1.8 m drop specification across the operating temperature, triple the tumble specification (3,000 3.3 ft./1 m), and now IP64 dustproof sealing. Corning® Gorilla® Glass on the touch panel and scan window protects your investment from regular wear and tear.

Superior performance on all of your voice and data apps
Power even the most demanding apps of today and tomorrow with the most powerful processor and most memory in this class — every model offers an ultra-powerful 2.2 GHz octa-core processor and 4 GB RAM/32 GB Flash.

Power three shifts with the class-leading 7000 mAh battery
The 7000 mAh extended capacity battery is standard with every MC3300ax. More power means fewer battery changes, easier battery management, and a smaller battery pool with fewer batteries to purchase and manage, saving you time and money.

Maximum Wi-Fi power
Get next generation Wi-Fi performance with Wi-Fi 6. Increased bandwidth and efficiency enable a major increase in devices and traffic — without impacting application performance. 2x2 Multiple-User Multiple Input Multiple Output (MU-MIMO) technology also boosts Wi-Fi network capacity and range by allowing access points to communicate with multiple devices simultaneously via pinpoint beamforming.

The perfect combination: touchscreen and keypad
Whether your application requires touch or physical keypad input, we've got you covered. Your application can utilize the entire display, while the physical keypad provides the same familiar user input experience your workers have today. In addition, the touchscreen paves the way to migrate to intuitive touch-based interfaces. And with three different options, you can choose the right keypad for your data entry needs —alphanumeric, numeric and functional numeric.

android enterprise recommended

Wi-Fi 6 CERTIFIED

FIPS VALIDATED 140-2

Future proof your mobility solution with the cost-effective MC3300ax —
the next generation in the MC3300 Series.

For more information, visit www.zebra.com/mc3300ax

Bluetooth 5.1 — twice the speed, four times the range, less power
Speeds up to 2 Mbps improve the performance of Bluetooth peripherals, such as ring scanners, printers and headsets. The result? Faster application response times, faster printing and better voice quality. And battery runtime is also extended, since Bluetooth Low Energy reduces power consumption.

Integrated NFC for simple, split-second pairing
With a quick tap, workers can pair the MC3300ax with Zebra's family of ring scanners, mobile printers, and Bluetooth headsets — your pairing possibilities are endless.

Your choice of standard or extreme range scanning
Short, mid or long range 1D and 2D scanning — the SE4850 scan engine does it all. With its extended range, workers can capture barcodes in hand as close as 3 in./7.62 cm and on your uppermost warehouse racks — as far as 70 ft./21.4 m away. Capture the widest of barcodes at close range with the industry-leading field of view. The standard range 1D/2D SE4770 captures barcodes up to 24 in./60 cm away, and offers a large sweet spot for point-and-shoot simplicity. No matter which scanner you choose, the MC3300ax captures it all — even barcodes that are scratched, dirty, poorly printed or under shrinkwrap.

Capture multiple barcodes with one press of the scan button
Do you need to capture multiple barcodes on one or more labels on an item? The MC3300ax makes it easy. Workers can easily capture all the right barcodes on numerous labels, all with one press of the scan trigger. Data is automatically formatted correctly and sent to the right fields in the right order in your applications, eliminating the need for workers to cover up barcodes.

Capture high-resolution photos and video
The optional 13 MP rear-facing color camera makes it easy to capture photos and videos to document proof of condition, proof of compliance and more.

The ultimate in flexibility and comfort

Two models to meet your scanning needs
Choose the model that best meets your scanning requirements: pistol grip for the most scan intensive tasks or a straight shooter for everyday standard and long range scanning.

Unmatched ergonomics
Zebra's award-winning design team has done it again — the ergonomically balanced MC3300ax provides all day comfort, even throughout the most scan intensive work day.

Powerful Zebra-only Mobility DNA™ software puts the MC3300ax in a class of its own

Easily find misplaced devices
An integrated Bluetooth beacon and support for the latest version of Device Tracker allows users to quickly and easily locate misplaced or missing devices — even if the device is turned off or the battery is depleted.

A lifetime security guard for Android
With LifeGuard™ for Android™, you get the security updates you need to keep your MC3300ax mobile computers secure every day they are in service. Devices can update automatically or you can control the update process via your EMM or Zebra's StageNow. And built-in support through Android 14 provides superior future-proofing.

15 value-added tools boost workforce productivity
Start capturing and sending barcodes right to your applications, right out of the box with DataWedge. Ensure devices are used only for work with Enterprise Home Screen. Instantly stage a handful or thousands of devices with a quick scan of a barcode or tap on an NFC tag with StageNow. Take your WLAN performance to the next level with WorryFree Wi-Fi. Add basic push-to-talk capabilities with Push-to-Talk (PTT) Express or advanced PTT with Workforce Connect™ PTT Pro, an easy-to-launch subscription service. Plus, turn your MC3300ax into a fully-featured PBX handset with a customized interface with Workforce Connect Voice.

Support your terminal emulation (TE) apps
Want to run your existing TE apps — no backend modification or user training required? With Zebra's optional tool, TekTerm for Android, you can easily migrate the TE apps running on your legacy WinCE devices to the Android-based MC3300ax. Want to use a different TE? No problem — with support for leading TEs, the choice is yours.

Built-in application development support with Enterprise Browser
Easily create intuitive graphics-based applications that integrate all the data capture capabilities of your Zebra mobile devices. Pre-licensed, this flexible industrial browser enables the easy creation of a single application that can run on different devices with different screen sizes and different operating systems.

Cost-effectively upgrade to next-generation technology

Backwards accessory compatibility
Use the MC3300 accessories you already own, maximizing your current accessory investment to minimize the cost of upgrading.

Specifications

Physical Characteristics

Dimensions	**MC3300ax Straight Shooter:** 7.96 in. L x 2.94 in. W x 1.35 in. D 202.2 mm L x 74.7 mm W x 34.5 mm D **MC3300ax Gun/Pistol:** 7.96 in. L x 2.94 in. W x 6.45 in. D 202.6 mm L x 74.7 mm W x 163.9 mm D
Weight	**MC3300ax Straight Shooter:** 16.7 oz./474 g **MC3300ax Gun/Pistol:** 18.8 oz./535 g
Display	4 in. WVGA (800 x 480), LED backlight, color display
Imager Window	Corning® Gorilla® Glass
Touch Panel	Corning® Gorilla® Glass touch panel with air gap; supports dual input mode with finger, gloved finger and stylus (conductive stylus sold separately)
Power	All models ship with rechargeable Li-Ion, 3.6V, 7000mAh PowerPrecision+ battery; full charge under five (5) hours; hot swap support with temporary WLAN/Bluetooth session persistence Backwards compatibility with MC3300 2740 mAh (1X) and 5200 mAh (2X) batteries Optional 7000mAh Power Precision BLE-enabled battery
Expansion Slot	User accessible MicroSD with 32 GB SDHC and up to 512 GB SDXC
Network Connections	USB 2.0 High Speed OTG (Host and Client) WLAN (Wi-Fi), WPAN (Bluetooth)
Notification	Audible tone, multi-color LEDs
Keypad	Numeric (29 key), Function Numeric (38 key), Alpha Numeric (47 key)
Voice	PTT Express and Workforce Connect PTT Pro (Internal speaker, microphone and Bluetooth wireless headset support)
Audio	Built-in speaker and microphone
Buttons	Two programmable side scan keys

Performance Characteristics

CPU	Qualcomm Snapdragon™ 660 octa-core, 2.2 GHz
Operating System	Android 11, upgradeable through Android 14
Android Enterprise Recommended (AER)	Android Enterprise Recommended (AER)
Memory	Worldwide: 4 GB RAM/32 GB Flash Memory
Security	Product is FIPS 140-2 validated. This security feature can be enabled on select configurations through a custom SKU request. Product supports Secure Boot, Verified Boot

User Environment

Operating Temp.	-4°F to 122°F/-20°C to 50°C
Storage Temp.	-40°F to 158°F/-40°C to 70°C
Humidity	5% to 95% RH (non-condensing)
Drop Specifications	Multiple 6 ft./1.8 m drops to concrete across the operating temperature range per MIL-STD-810G
Tumble Specification	3,000 3.3 ft./1.0 m tumbles; meets and exceeds IEC tumble specification
Sealing	IP64 per applicable IEC sealing specifications
Vibration	4g's PK Sine (5 Hz to 2 kHz); 0.04 g^2/Hz Random (20 Hz to 2 kHz); 60 minutes duration per axis, 3 axis
Electrostatic Discharge (ESD)	+/- 15kV air, +/-8kV contact discharge +/-8kV indirect contact discharge

Interactive Sensor Technology (IST)

Motion Sensors	3-axis accelerometer with MEMS gyroscope

Data Capture

Scanning	SE4770 1D/2D, SE4850 ERI
Rear Camera	13 MP color camera with LED flash (optional on Straight Shooter configurations only)
NFC	ISO14443 Type A and B: FeliCa and ISO 15693 cards; Card Emulation via Host (HCE) support

Wireless LAN

Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v[1]/w/ax/mc[1]; Wi-Fi™ certified; IPv4, IPv6, 2x2 MU-MIMO
Data Rates	5 GHz: 802.11a/n/ac/ax — 20/40/80 MHz, up to 1201 Mbps 2.4 GHz: 802.11b/g/n/ax — 20 MHz up to 286.8 Mbps
Operating Channels (depending on Regulatory)	Channel 1-13 (2412-2472 MHz): 1,2,3,4,5,6,7,8,9,10,11,12,13 Channel 36-165 (5180-5825 MHz): 36,40,44,48,52 56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,149,153,157,161,165 Channel Bandwidth: 20, 40, 80 MHz Actual operating channels/ frequencies and bandwidths depend on regulatory rules and certification agency.
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP and EAP-PWD; WPA3 Enterprise 192-bit Mode (GCMP-256) — EAP-TLS; Enhanced Open (OWE); WPA3-FT, SCV (Server Certificates Validation)
Certifications	Wi-Fi Alliance Certifications: Wi-Fi CERTIFIED n; Wi-Fi CERTIFIED ac; Wi-Fi CERTIFIED 6; Wi-Fi Enhanced Open; WPA2-Personal; WPA2-Enterprise; WPA3-Personal; WPA3-Enterprise (includes 192-bit mode); Protected Management Frames; Wi-Fi Agile Multiband; WMM; WMM-Power Save; WMM-Admission Control[1]; Voice-Enterprise[1]; Wi-Fi Direct[1]
Fast Roam	802.11r (Over-The-Air); PMKID caching; Cisco CCKM[1]; OKC

Wireless PAN

Bluetooth	Device: Class 2, Bluetooth v5.1 with BR/EDR and Bluetooth Low Energy (BLE) Support BLE Battery: Class 2, BLE v5.2. Device tracking solution when unit is powered off

Regulatory

EMI/EMC	FCC Part 15 Subpart B Class B; ICES 003 Class B; EN 301 489-1; EN 301 489-3; EN 55024; EN 55032 Class B
Electrical Safety	UL 60950-1, CAN/CSA C22.2 No. 60950-1, IEC 60950-1, EN 60950-1
RF Exposure	EU: EN 50364, EN 62369-1, EN 50566, EN 62311 USA: FCC Part 2, 1093 OET Bulletin 65 Supplement 'C' Canada: RSS-102

Environmental Compliance

• RoHS Directive 2011/65/EU; Amendment 2015/863
• REACH SVHC 1907/2006
For a complete list of product and materials compliance, please visit:
www.zebra.com/environment

Warranty

Subject to the terms of Zebra's hardware warranty statement, the MC3300ax is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit:
http://www.zebra.com/warranty

Recommended Services

Zebra OneCare Essential and Select: Maximize Zebra device availability, device value and operational efficiency with these fully-featured support services that set the industry bar for support.

Zebra VisibilityIQ™ Services: Improve device value with Zebra's optional VisibilityIQ™ Services. VisibilityIQ gives the data-driven, actionable insight to get the most from your devices, workers and daily tasks. VisibilityIQ™ Foresight aggregates big data onto a single, color-coded, cloud-based pane of glass, translating it into actionable insight to streamline workflow. VisibilityIQ™ DNA provides a view into key DNA tools, and VisibilityIQ™ OneCare® cloud-based dashboard offers visibility into repairs, tech support, software security status and more.

Footnotes

1. Available Q4 2021
Specifications subject to change without notice.

Mobility DNA

Mobility DNA solutions help you get more value out of our mobile computers by adding functionality as well as simplifying deployment and management of our mobile devices. For more information on these Zebra-only features, please visit www.zebra.com/mobilitydna

Mobility DNA is available on Android only. Features may vary by model and a Support Contract may be required. To learn what solutions are supported, please visit: https://developer.zebra.com/mobilitydna