



**SD100 Orion**  
Speedata

## Features

### Supports.

1D and 2D barcodes.

### Software.

Built on Android 8.1.

### Touch screen.

10.0 inch (1920 x 1200) 5 point capacitive touch screen.

### Processor.

Octa core 2.0FHZ CPU.

### Memory.

4GB RAM and 64GB ROM memory.

### Offers.

WiFi 802.11 a/b/g/n (2.4GHz & 5GHz), Bluetooth 4.1, GPS, camera, NFC, GSM, WCDMA.

### Accessories.

Magnetic support hand strap for ease of use. Optional cradle.



## Suggested industries



Retail



Logistics



Industrial



Legal



Public Sector

# SD100 Orion Technical specifications

## Data Capture

Barcode scanning	All major symbologies, including AZTEC, CODABAR, CODE11, CODE128, EAN128, CODE39, CODE49, CODE93, COMPOSITE, DATAMATRIX, EAN8, EAN13, INT25, MAXICODE, MICROPDF, PDF417, POSTNET, OCR, QR, RSS, UPCA, UPCE, ISBT, BPO, CANPOST, AUSPOST, IATA25, CODABLOCK, JAPOST, PLANET, DUTCHPOST, MSI, TLC39, TRIOPTIC, CODE32, STRT25.
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## Performance

Operating System	Android 8.1
Processor	Octa-core 2.0GHz
Memory RAM	4GB
Memory Flash	64GB

## Physical

Audio	Front dual stereo speakers, Volume 90db±3db (test distance 10cm)
Audio Jack	3.5mm earphone jack
Battery Type	9000mAh
Camera	Rear 13MP AF, high brightness LED flash, front 5MP camera
Dimensions (mm)	254 x 176 x 17.4 mm
Display	10" (1200x1920) IPS highlight screen
Expansion Slot	2 Micro SIM card slots, 1 SD card slot
Expected Battery Life	Typical working time not less than 10 hours
Expected Charge Time	PE fast charge
Interfaces	USB Type-C
Keypad	12 buttons
Notifications	Sound, vibration, LED
Pogo Pin	20 Pogo Pins contact
Sensors	Gsensor, Ambient light sensor, Proximity sensor, COMPASS
Touch Panel	5-point capacitive touch screen
Weight	800g (with battery)

## Wireless

WWAN RADIO	FDD-LTE B1/B3/B5/B7/B8, TDD-LTE B38/B39/B40/B41, TDSCDMA B34/B39, WCDMA B1/B2/B5/B8, GSM B2/B3/B5/B8, CDMA 1 x/CDMA2000 BC0/BC1
WLAN RADIO	IEEE 802.11 a/b/g/n 2.4G 5G dual frequency
WPAN RADIO	Bluetooth 4.1 BLE
RFID	ISO14443A/B , ISO15693 , NFC Reading distance: 0~5cm; UHF ISO18000-6C, Euro frequency (865MHz - 867MHz), Antenna: 1.5dBi ceramic antenna, Power: 5dBm~30dBm adjustable, 1dbm step, Working range: Indoor >12m, Outdoor >6m, Inventory speed: >200 tags/sec
GPS	GPS+BD+GLONASS

# SD100 Orion Technical specifications

### Environmental

Operating Temperature	-20°C to 55°C
Storage Temperature	-30°C to 70°C
Humidity	5%-95% (non-condensing)
Electro Static Discharge (ESD)	± 15kV air discharge , ±8kV contact discharge
Drop	1 meter drop to cement floor
IP Rating	IP65

### Certifications

Hardware	CCC, CE
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### Warranty

Standard	2 years
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