Newland AIDC
SCANNING MADE SIMPLE

1D & 2D
Android 8.1
10" screen
Megapixel
Laser aimer
Touchscreen
USB-C
9000 mAh
SD
Camera
IP65
4G
WIFI Dual Band
Bluetooth 4.1
NFC
GPRS
Location
Warranty 2 Years



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.
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)

Newland AIDC EMEA

Email address: info@newland-id.com

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Specifications are subject to change without notice

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SD100 Orion Technical specifications

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
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
Warranty	
Standard	2 years

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