




SD100 Orion II MD

Touch Panel Computers

-  10" screen
-  1D & 2D
-  5G
-  9,000 mAh
-  Android 11
-  Antibacterial coating
-  Bluetooth 5.1
-  Camera
-  GPRS
-  IP65
-  Laser aimer
-  Location
-  Megapixel
-  NFC
-  SD
-  Touchscreen
-  USB-C
-  Warranty 2 Years
-  WiFi Dual Band



Features

Supports.
1D and 2D barcodes.

Software.
Built on Android 11 GMS (AER).

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

Processor.
Octa-core 2.2 GHz CPU.

Memory.
4GB RAM and 64GB Flash memory.

Offers.
WiFi 802.11 a/b/g/n/ac (2.4GHz & 5GHz), Bluetooth 5.1, GPS, camera, NFC, GSM, WCDMA.

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

2 Years Full Warranty

TECHNICAL SPECIFICATIONS SD100 Orion II MD

Data Capture

1D	All major 1D symbologies
2D	All major 2D symbologies

Performance

Current Operating System	Android 11, GMS, Android Enterprise Recommended (AER)
Memory Flash	64GB
Memory RAM	4GB
Processor	2.0 GHz octa-core

Physical

Audio	Front dual stereo speakers, Volume 90db±3db (test distance 10cm)
Audio Jack	3.5mm earphone jack
Battery Type	9000 mAh
Dimensions	254(W) x 176(D) x 17.4(H) mm
Display	10" (1200 x 1920) 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	Fast charging, full charging time <4 hours
Front camera	5 MP
Interfaces	USB-C
Keypad	12 keys
Notifications	LED, Vibration, Sound
Pogo Pin	20 Pogo Pins contact
Rear camera	13 MP, Auto focus, High brightness LED flash
Sensors	G-sensor, Proximity sensor, COMPASS, Ambient light sensor
Touch Panel	5 points capacitive touchscreen
Weight	800 g (with battery)

Wireless

GPS	GPS, BD, GLONASS
NFC	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
WLAN RADIO	IEEE 802.11 a/b/g/n/ac 2.4G 5G dual frequency
WPAN RADIO	Bluetooth 5.1 BLE
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 1x/CDMA2000 BC0/BC1

Environmental

Drop	1 meter drop to cement floor
Electro Static Discharge (ESD)	±8 kV (contact discharge), ±15 kV (air discharge)
Humidity	5% to 95%
IP Rating	IP65
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)

Certifications

Certifications Hardware

CCC, CE

Warranty

Warranty Standard

2 Years



Newland AIDC EMEA

Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

Specifications are subject to change without notice
© Newland AIDC EMEA 2026 - All rights reserved