



**SD100MD  
Orion Plus**  
Speedata

## Features

### Supports.

1D and 2D barcodes.

### Software.

Built on Android 11 GMS (AER).

### Touch screen.

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.

Support hand strap for ease of use. Optional charging cradle and vehicle cradle.



## Suggested industries



Hospitality



Healthcare



Public Sector

# SD100MD Orion Plus Technical specifications

## Data Capture

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

## Performance

Operating System	Android 11 GMS (AER)
Processor	Octa-core 2.2 GHz
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	fast charging, full charging time<4 hours
Interfaces	USB Type-C
Keypad	12 buttons
Notifications	Sound, vibration, LED
Pogo Pin	20 Pogo Pins contact
Sensors	Gsensor, Ambient light sensor, Proximity sensor
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/ac 2.4G 5G dual frequency
WPAN RADIO	Bluetooth 5.1 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

### Newland AIDC EMEA

Email address: [info@newland-id.com](mailto:info@newland-id.com)

Feel free to contact us or a partner near you

visit [newland-id.com](http://newland-id.com)

Specifications are subject to change without notice

© Newland AIDC EMEA 2025, all rights reserved

# SD100MD Orion Plus Technical specifications

Humidity	5%-95%
Electro Static Discharge (ESD)	± 15kV air discharge , ±8kV contact discharge
Drop	1 meter drop to concrete
IP Rating	IP65
Certifications	
Hardware	CCC, CE
Warranty	
Standard	2 years