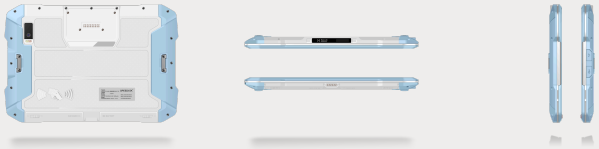
Newland AIDC
SCANNING MADE SIMPLE

SD100MD Orion Plus

Touch Panel Computers

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



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.

2 Years Full Warranty

TECHNICAL SPECIFICATIONS

SD100MD Orion Plus

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/Touch Panel	10” (1200 x 1920) IPS highlight screen, 5 points capacitive touchscreen
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	Sound, LED, Vibration
Pogo Pin	20 Pogo Pins contact
Rear camera	13 MP, Auto focus, High brightness LED flash
Sensors	G-sensor, COMPASS, Ambient light sensor, Proximity sensor
SIM/TF	2 Micro SIM card slots, 1 SD card slot
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 1 x/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

Accessories

Accessories Optional	Charging cradle, Car cradle
Accessories Standard	Hand strap

Newland AIDC EMEA
SCANNING MADE SIMPLE

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