

MINNO

RUGGED TABLETS

Challenger W10 Pro

Windows 10-inch Rugged Tablet



Windows



IP65



GNSS



Dual-battery



Bluetooth



2D



NFC



4G



WiFi



Camera



Performance

- Intel Core i5-1235U/i7-1255U processor
- Windows 11 OS and 16GB RAM + 128GB storage
- 10.1 inch IPS Full HD screen with 10-point capacitive touch

Features

- Choose 1 from 4 modules (2D scanner, RJ45, DB9(RS232) and USB2.0)
- Supports GPS, BDS and GLONASS
- Multiple accessories available: docking charger, hand-strap, vehicle mount, vehicle charger, carry handle

Communication

- 2.4G/5.8G Dual band WiFi 6
- High speed 4G LTE
- BT 5.1 fast transmission

Certifications

- IP65 Waterproof and Dustproof, Anti-Static
- Vibration & 1.22m drop resistant
- MIL-STD-810G certified



Specifications

General	
Dimension	289.9 x 196.7 x 27.4 mm
Weight	device unit 1140 g
Device Color	black
LCD	10.1 inch IPS 16:10, 1200x1920, 700 nits
Touch Panel	10 point G+F+F capacitive touch screen
Camera	Front 2.0MP Rear 8.0MP
I/O	USB 3.0 Type-A x 1, USB Type-C x 1, SIM Card x 1, TF Card x 1, HDMI 2.1a Mini x 1, 12pins Pogo Pin x 1, Φ3.5mm standard earphone jack x 1, Φ5.5mm DC jack x 1
Power	AC100V ~ 240V, 50Hz/60Hz, Output DC 19V/3.42A
NFC	Optional, 13.56 MHz, Card reading distance: 4 cm
Fingerprint	Standard
RTC battery	3V/210mAh
Battery #1	
Capacity	7.4V/700mAh
Type	Built-in Li-polymer battery
Battery #2	
Capacity	7.4V/5000mAh
Type	Removable Li-polymer battery
Endurance	4.5h (50% volume sounds, 200 lumens brightness, 1080P HD video display by default)

Performance parameter	
CPU	Intel Core i5-1235U/i7-1255U
OS	Windows 11, Optional Windows 10
RAM	16GB
Storage	128GB

Network connections	
WIFI	Wi-Fi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax (2.4G/5.8G)
Bluetooth	BT5.1 Transmission distance: 10m
4G (Optional)	LTE FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B40 WCDMA: B1/B5/B8 GSM: 900/1800
GNSS	Support GPS, Glonass, Optional Beidou

Reliability	
Operating Temperature	-20 °C ~ 60 °C
Storage Temperature	-30 °C ~ 70 °C
Humidity	95% Non-Condensing
Rugged Feature	IP65 certified, MIL-STD-810G certified
Drop Height	1.22m drop
Electrostatic Discharge	± 8kV contact discharge, ± 15kV air discharge

Extension modules (1 out of 4)	
Ethernet interface	RJ45 (10/100/1000M) x 1
Serial port	DB9 (RS232) x 1
USB2.0	USB 2.0 x 1
2D	Optional, Optical resolution: 5mil/scan speed: 50 times/s

Accessories



Docking Charger



Hand-strap



Vehicle Mount



Stylus



Quad charging



Removable Battery



Carry handle

Various modules and accessories to run applications in multiple industries.



Vehicle Mounted: Truck, Forklift & Trash Collection



Manufacturing & Logistics



POS & Food Service



Farming & Agriculture