Rugged Tablet

10.1" Embedded CPU

ORH-H10-ATEX-B

Purpose-built explosion-proof safety



Windows · IP65 · GNSS · High-capacity battery · Bluetooth

Camera · 4G · WIFI · 2D · NFC

II 3G Ex ic op is IIC T4 Gc
II 3D Ex ic op is IIIB T130°C Dc

ATEX-B

Performance

- Intel Jasper Lake processor Celeron N5100
- 10.1 inch IPS screen, 1920x1200 TFT
- 10-point capacitive touch

Features

- Front 5.0MP + Rear 8.0MP, autofocus with flashlight
- Symmetric speakers. More immersive, more clear.
- User-friendly buttons designed for efficient action

Communication

- Extension interface (3 choose 1, RJ45, DB9, USB Type-A)
- Dual-band WiFi, Bluetooth 5.0, support 4G mobile network
- Efficient file transfer rely on advanced USB Type-A/Type-C 3.0/3.1 I/O port
- Optional high performance 2D imager designed to data capture

Reliability

- Enhanced rugged corners withstand shock and impact
- IP65 Waterproof and Dustproof, MIL-STD-810G certified
- Removable 5000mAh battery & New battery-free working mode
- Approved ATEX 2/22 Zone explosion-proof certification for use in potentially explosive and hazardous environments.
- Certified by CECP, significantly improving the energy efficiency ratio and energy saving performance.

Product Six Views



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Basic parameters

Dimension	274.9 x 188.7 x 23.1mm
Weight	Device unit 1140g
Device Color	Black
LCD	10.1 inch FHD 16:10, 1920×1200, 400 nits, Optional, HD 16:10, 1280×800, 700 nits
Touch Panel	10 point capacitive touch screen
Camera	Front 5.0MP, Rear 8.0MP
I/O	USB3.0 x 1 (USB A port, HOST data transmission), Type C 3.1 x 1 (Charging and Data transmission, Full function Type-C), Φ3.5mm standard earphone jack x 1, HDMI 2.0a Mini x 1, Three in one card holder (Micro SD card, up to 512GB; Nano SIM x 1) 12PIN Pogo Pin x 1
Extension interface (3 choose 1)	RJ45 network port x 1 (10/100M adaptive) Standard, DB9 serial port x 1 (RS232), USB 2.0 Type-A x 1
Power	AC100V ~ 240V, 50Hz/60Hz, Output Type-C 12V/4A EU

Performance parameter

CPU	Intel® Celeron® Processor N5100
OS	Windows 11/10
RAM	8GB
Storage	128GB

Battery

Capacity	5000mAh/7.6V
Type	Removable Li-polymer battery
Endurance	8hrs (50% volume sounds, 50% screen brightness, 1080P HD video display by default)

Network connections

WIFI	WIFI 802.11(a/b/g/n/ac) Dual frequency 2.4G+5.8G WIFI
Bluetooth	BT5.0 Transmission distance: 10m
4G	LTE FDD: B1/B3/B7/B8/B20, LTE-TDD: B40 WCDMA: B1/B5/B8, GSM:900/1800 Optional, EC25-AF, 750-VA, 750-VSA
GNSS	Support GPS , GLONASS

Reliability

Operate Temperature	-20 ˚C ~ 60 ˚C
Store Temperature	-30 ˚C ~ 70 ˚C
Humidity	95% Non-Condensing
Rugged Feature	IP65 certified, MIL-STD-810G certified, Battery: UN38.3, MSDS, Air and Maritime Reporting, IEC62133
Drop Height	1.22m drop

Data Collection

2D	Optional, Optical resolution: 5mil Scanning speed: 50 times /s
NFC	Optional, 13.56MHz, Support ISO/IEC 14443A/B/15693/18092/mifare protocols Card reading distance: 4cm

Accessories


Hand-strap


Docking Charger


Vehicle Mount


Car Charge


Back-strap

TP Resist film


Quad charging

Application Range

Various modules and accessories can be selected to meet customers' application in various industries.


Outdoor Exploration


Manufacturing Industry


Energy industry


Transportation