

ROBUSTAB RTC-I81

8" Industrial Rugged Full IP67 Windows Tablet



Specifications

Display

- 8" 1280x800 16:10 IPS LCD, 700 cd/m²

Touchscreen

- Capacitive multi-touch (10 points)
- Gorilla glass, hardness 7H

CPU

- Intel® Celeron® N5100 Quad Core, up to 2.8 GHz

Graphics

- Intel® HD Graphics Gen 11

Memory

- 8GB DDR4, Optional : 4GB

Storage

- 128GB eMMC, Optional : 64GB / 256GB

OSD Function

- Power, 2x Function keys, Volume up/down, Battery indicator

Ports I/O

- USB Type-C (with Charging function), USB 2.0 Type A
- Mini HDMI 1.4a, RJ45 10/100/1000 Mbit/s
- 12-pins Docking connector
- 3.5 mm headphone jack
- 1x TF Slot (Micro SD), up to 256GB
- 1x Micro SIM Slot
- 8 Ohm/1W Stereo speakers
- Built-in microphone

Aviation Plug I/O

- 2x Optional ports: free selectable from USB or RS232 or DC-IN

Communication

- WiFi 2.4GHz/5.8GHz 802.11a/b/g/n/ac
- BT V4.2 class 1, Transmission distance 10m
- 4G: WCDMA: B1/B5/B8
- LTE-FDD: B1/B3/B5/B7/B8/B20/28
- LTE-TDD: B34/B38/B39/B40/B41
- NFC 13.56 MHz, supports ISO/IEC 14443A/14443B/15693/18092/ mifare, Card reading distance: 2~5 cm
- Optional : RFID, Fingerprint, 2D Scanner or without NFC

Positioning & Sensors

- GPS / GLONASS / Baidu

- G-sensor

Cameras

- 8MP Rear with autofocus
- 5MP Front with fixed focus

Battery

- 5000 mAh / 7.6V Li-ion polymer, removable
- 5-6 hrs battery life

Power Supply

- Power input: 5V DC over Type-C USB interface with external power adapter 5V/3A for AC 100~240V, 50Hz/60Hz
- Optional: DC Jack connector

Dimensions

- Dimension (W x H x D): 236.5 mm x 156 mm x 23 mm
- Weight: 840g

System & Environment

- Operating -10°C to 50°C
- Storage -20°C to 60°C
- Drop : from 1.22 m (4 ft)
- Protection discharge : 5kV, Air discharge: 10kV
- Humidity 0 ~ 95% (non-condensing)
- IP67 Protection

Operation System

- Windows 10 IoT Enterprise 2021 LTSC
- Optional : Windows 11 Pro , Windows 10 Pro
- Windows 11 IoT Enterprise CBB

Available Options

- 2D scanner with optical resolution 5mil, speed 50 times/s
- NFC 13.56 MHz, supports ISO/IEC 14443A/14443B/15693/18092/ mifare, Card reading distance: 2~5 cm
- RFID HF 13.56 MHz, supports ISO/IEC 14443A/14443B/15693, UHF: PR9200 / R2000
- Fingerprint ISO/FBI certification

Available Accessories

- Passive capacitive pen
- 2-point hand strap
- 2-point shoulder strap
- 4x Battery charger station
- Office docking station with 1x battery charger

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I/O Details



Optional Accessories



Ordering Information

more configurations on request

PN	CPU/SOC	RAM	Storage	WiFi/BT	LTE/GPS	NFC/RFID/Fingerprint	Additional options	Operating System
RTC-I81-DJ74AN0Q	N5100	8GB	128GB	yes	yes	yes	no	Windows 10 IoT 2021 LTSC
RTC-I81-DJ74A10Q	N5100	8GB	128GB	yes	yes	yes	2D Barcode	Windows 10 IoT 2021 LTSC
RTC-I81-DJ74A1AQ	N5100	8GB	128GB	yes	yes	yes	2D Barcode, Aviation connector USB, DC-In	Windows 10 IoT 2021 LTSC
RTC-I81-DJ74A1CQ	N5100	8GB	128GB	yes	yes	yes	2D Barcode, Aviation connector RS232, DC-In	Windows 10 IoT 2021 LTSC
RTC-I81-DJ74AN0R	N5100	8GB	128GB	yes	yes	NFC	no	without OS
RTC-I81-DJ74A10R	N5100	8GB	128GB	yes	yes	NFC	no	without OS

- Car power adapter with USB-C