

ROBUSTAB RTC-M81

8" Industrial Rugged Full IP67 Tablet



Specifications

Display

- 8" 1280x800 IPS LCD 700 cd/m²

Touchscreen

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

CPU

- MediaTek® MTK 6771 with
ARM Cortex-A73 Quad Core 2.0 GHz
ARM Cortex-A53 Quad Core 2.0 GHz

Graphics

- ARM Mali-G72

Memory

- 6GB DDR4, Optional : 4GB

Storage

- 128GB eMMC, Optional : 64GB

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 Mbit/s
- 12-pins Docking connector
- 3.5 mm headphone jack
- 1x TF Slot (Micro SD), 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: GSM: B2/B3/B5/B8
WCDMA: B1/B2/B5/B8, TD-SCDMA: B38/B39/B40/B41, CDMA2000: BC0/BC1
LTE-FDD: B1/B3/B5/B8/B20/28a/B28b or B2/B4/B7/B17
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 : NFC & RFID UHF, Fingerprint, 2D Scanner

Positioning & Sensors

- GPS / GLONASS / Baidu
- Compass, Gyroscope, G-sensor, Light sensor

Cameras

- 13MP Rear with autofocus
- 5.0MP Front with fixed focus

Battery

- 10000 mAh / 3.8V Li-ion polymer, removable
6-8 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: Aviation 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

- Android 11

Available Options

- 2D scanner with optical resolution 5mil, speed 50 times/s
- 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 (available October 2023)
- Car power adapter with USB-C

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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-M81-DM54AN0A	MTK6771	6GB	128GB	yes	yes	NFC	no	Android 11
RTC-M81-DM54A20A	MTK6771	6GB	64GB	yes	yes	NFC	2D Barcode	Android 11