

TRT-A5780-10

10.1" Industrial Tablet PC



Key Highlights

- 10.1" Pcap Touchscreen
- Mediatek G99 Ultimate Octa-Core CPU – Passmark Rating 4208
- Android 14 with Google Mobile Services
- Built-in USB Type C, HDMI & LAN ports
- Removable hot-swappable battery

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The TRT-A5780-10 is a durable tablet PC designed for the toughest applications. The 10" touchscreen is made with durable, scratch resistant glass and the tablet is MIL-STD-810G certified, meaning it can withstand drops, shocks and vibrations, making it suitable to mount to a vehicle or forklift. A convenient replaceable battery and optional charging-bay allow you to operate 24/7 with no worry for downtime. The TRT-A5780-10 keeps you connected wherever you go with 4G LTE, WiFi, Bluetooth, GPS and it also has optional barcode and RFID scanners.

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Technical Specifications

Primary Components

Processor Family	MediaTek Helio ARM Cortex CPU
Processor Model	MT6789 (Octacore - 2x A76/6x A55)
Processor Speed	2x A76 Cores @ 2.2GHz, 6x A55 Cores @ 2.0GHz
Memory Type	Onboard LPDDR4X
Memory Support	8GB
Storage Type	Onboard eMMC Flash
Storage Support	128GB

Power

Input Voltage Range	9V Maximum
Standard Power Adapter	US AC/DC USB-C Power Supply (18W Maximum)

Battery

Battery Type	Removable 3.8V/10000mAh Battery
Battery Operating Time	12hrs (Default 50% volume, 50% Brightness, Playing 1080P Video)

Operating Systems

Android	Android 14
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Multimedia

Speakers	1x 0.8W Speaker
Camera	Front: 5MP, Rear: 13MP
Microphone	Built-in Microphone

Enclosure

Material	Double Injection
IP Rating	IP65
Color	Black
Led Indicator Light	Charging Indicator
Control Buttons	Audio Down, Audio Up, Home, Power Button, Scanner
Programmable Function Buttons	1x Programmable Function Key
Shock Rating	MIL-STD-810H
Drop Rating	1m Drop Resistant
Mounting Options	Desktop Stand, Forklift Mount, Vehicle Mount

Certification

Certifications	CE, FCC
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Specifications subject to change.

Display

Screen Size	10.1"
Screen Resolution	1920 x 1200 (WUXGA)
Screen Ratio	16:10
Brightness	700 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
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External I/O Ports

USB	1x USB 2.0, 1x USB Type-C
Serial Protocol Detail	1x RS-232(2wire)
Ethernet / LAN	1x RJ45 GbE LAN
Video Outputs	1x Mini HDMI Type C
Audio Ports	1x 3.5mm Headphone Jack
Power Input Port	USB Type-C (Supports PE+ 2.0 Fast Charging)

Expansion Slots

SD card	1x Micro SD Slot
Other	PIN Expansion

Thermal & Environmental

Operating Temperature	-20°C - 60°C (-4°F - 140°F)
Storage Temperature	-30°C - 70°C (-22°F - 158°F)
Cooling Solution	Passive - Fanless
Humidity Range	95% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Dual-Band WIFI (802.11 a/b/g/n/ac)
Bluetooth	Bluetooth 5.2
GPS	yes
Mobile Network 4G LTE	*Not Certified for USA Carrier Networks
Sim Card	2x SIM Card Slot
Barcode Scanner	Built-in 2D Barcode Scanner
RFID	NFC 13.56Mhz IEC-14443A/B, 15693, 18092, Mifare
Sensors	Accelerometer, Gyroscope, Light Sensor

Warranty

Warranty	1 Year
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I/O Diagram Images



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