

# MTA-3010



## 10" Android Panel PC

### Features

- MediaTek Genio 350 Quad-Core SoC, 4x Cortex A53(2.0GHz)
- 8M front camera for in-vehicle surveillance (Optional)
- Light Sensor + Proximity Sensor module (Optional)
- Multiple I/O including LAN, USB 2.0, and RS232/422/485 support
- Global band LTE module; a single module for different countries and supporting positioning simultaneously
- Supports Android 13, Yocto 4.0 Kirkstone



System	
CPU	ARM Quad-core Cortex-A35
OS	Android 13, Yocto 4.0 Kirkstone
Memory	Android : 4GB DDR4 memory Yocto : 2GB DDR4 memory
Flash	Android : 64GB eMMC flash Yocto : 16GB eMMC flash
Peripherals and Devices	
Front Camera	1 x 8MP resolution CMOS MIPI-CSI camera module (Optional)
Audio	1 x built-in speaker (1W) 1 x built-in microphone
Wireless	
WWAN	WCDMA / LTE, Mini PCIE interface (optional)
WLAN	IEEE 802.11 a/b/g/n/ac
Bluetooth	Android : Bluetooth 5.0 Yocto : Bluetooth 4.2
NFC	1 x 13.56MHz RFID & NFC reader with ISO 14443A/14443B/15693 & mifare
GPS	Supporting GPS / Galileo / Glonass / BeiDou / QZSS (optional)
I/O Interface	
SD Card	1 x microSDHC/microSDXC/ microSD (Max.128GB) card socket
USB	2 x USB 2.0 Type-A port 1 x micro USB 2.0
Speaker	1 x 8Ω/1W
DB9 Interface	1 x RS 232/ 422 / 485 COM port; 1 x RS 232 com Port
LAN	1 x RJ-45 Ethernet, 10/100Mbps
Power	Tact switch
DIO	3 x DI, 3 x DO (dry contract)(Optional)
CAN BUS	1 x CAN (Optional)
Expansion	Mini PCIE interface (USB signal only)

LCD Display	
Size/Type	10.1" IPS TFT LCD W/TP
Resolution	1280 x 800
Technology	High definition
Brightness	500 cd/m <sup>2</sup> (Typ.)
Contrast Ratio	1000:1(Typ.)
Interface	MIPI Type
View Angle (A/B/R/L)	80°/80°/80°/80° typ.
Touch Screen	
Type	Projected Capacitive multi-touch
Interface	I <sup>2</sup> C
Power Input	
DC Input	12V Power adaptor
Power Input	Built-in ignition detection
Mechanical & Environmental	
Operating Temp.	0°C ~ 50°C (23°F~122°F)
Storage Temp.	-20°C ~ 70°C (-4°F~158°F)
Operating Humidity	5~90% RH@ 50°C (non-condensing)
Dimensions (W x H x D)	248.7 x 181.6 x 42.9mm
Weight	1140g (2.51lb)
Installation	
VESA Mount	75mm x 75mm

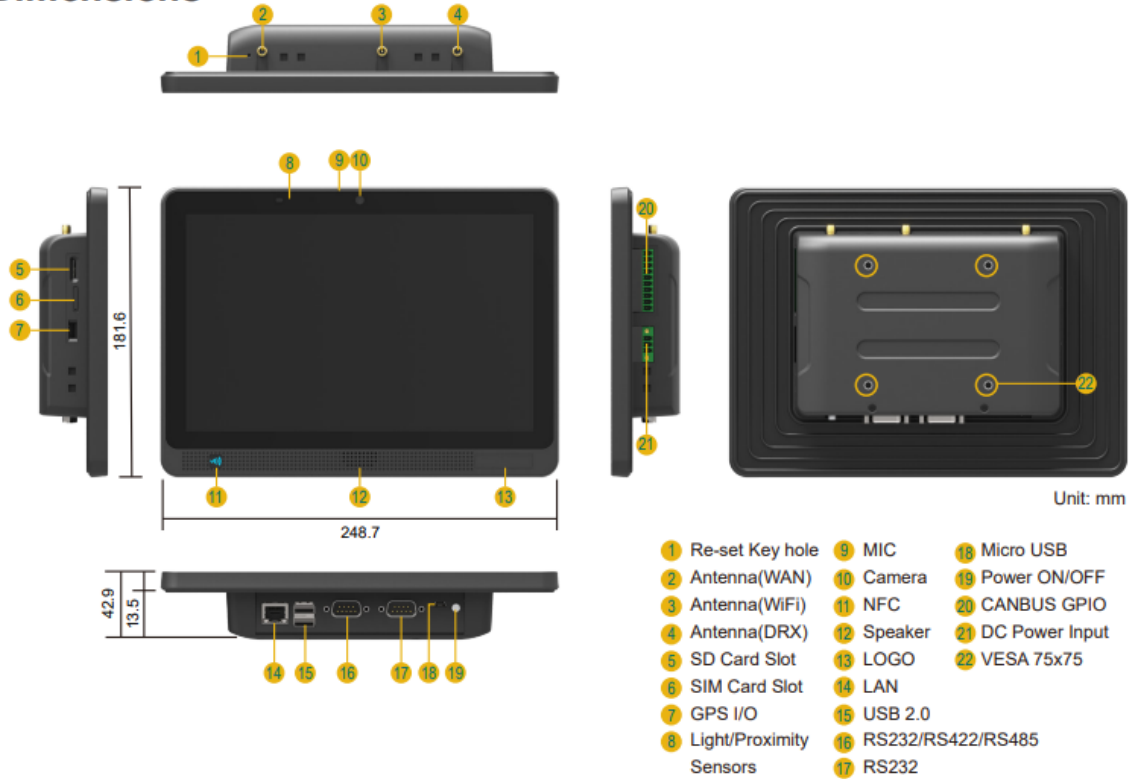


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All specifications are subject to change without notice. Last update: 27/12/2023

## Dimensions



## Ordering Information

Part Name	Description
MTA-3010	1 x 10.1" Android Panel PC, WLAN, and Bluetooth ; 1 x Accessory Kit; (1 x 3-pin DC Terminal Block, Plug with screws; 1 x 10-pin Terminal Block, Plug; 1 x WiFi Antenna)
MTA-3010 LTE	1 x 10.1" Android Panel PC, WLAN, Bluetooth, and Global LTE Module; 1 x Accessory Kit; (1 x 3-pin DC Terminal Block, Plug with screws; 1 x 10-pin Terminal Block, Plug; 1 x WiFi Antenna; 1 x 4G Antenna) Global LTE Module: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B6/B8/B19 GSM/EDGE: Quad-band Embedded GNSS: GPS/GLONASS/BeiDou/Galileo/QZSS

## Optional Accessories (CTOS\* Kit)

Part Name	Description
GPS Antenna	GPS Antenna, SMA Plug Male, 1600mm
Wifi USB Dongle with Antenna	Dual Band WiFi 5 IEEE 802.11 AC/a/b/g/n + Bluetooth 4.2
AC-DC Power Adapter (US)	Input : 100V-240V, Output : 12V/1.5A; W/3-pin Terminal Block with screws, US Plug
AC-DC Power Adapter (EU)	Input : 100V-240V, Output : 12V/1.5A; W/3-pin Terminal Block with screws, EU Plug

\*CTOS means Configure-to-Order Service. BTO means Build-to-Order.

\*\* Yocto OS requires External Wifi5+BT USB Dongle to support wireless connectivity



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