

# IOT-500

## 5" Risc-based Panel PC



### Features

- Android 5.1 operating system
- Dual-core ARM Cortex-A7 1.0GHz
- Front bezel IP65 water and dust resistance
- Flat and ultra-thin front bezel with 5" TFT LCD
- Built-in CAN 2.0b/ OBD-II
- Support 10/100 Mbps Ethernet
- Built-in WWAN, WLAN, GPS and Bluetooth
- 12~24V Wide-range voltage DC-input support

#### System

**CPU** Dual-core ARM Cortex-A7 1.0GHz

**OS** Android™ v5.1

**Memory** 512MB LPDDR2

**Flash** 4GB eMMC

#### Peripherals and Devices

**Front Camera** 2.0 megapixel camera

**Sensor** Magnetometer (M-Sensor)

**Audio** 1 x built-in speaker (0.8W)  
1 x built-in microphone

#### Wireless

**WLAN** Integrated IEEE 802.11 a/b/g/n/ac

**Bluetooth** Bluetooth 4.1 (BLE, HS compliant)

**WWAN (optional)** 2G GSM/GPRS/EDGE (Band 850 / 900 / 1800 / 1900)  
3G WCDMA/HSPA+ (Band 1,2,5,8)

**GPS** GPS/GLONASS/Beidou

#### I/O Interface

**CAN** CAN 2.0b / OBD-II

**USB Port** 2 x USB 2.0 High Speed

**LAN** 1 x 10/100 Mbps

**RS-232** 1 x RS-232/422/485 (DB-9 male), software configurable

**DIO** 4 x 3.3V GPIO

**SIM Slot** 1 x mini-SIM (2FF) slot

**DC-in** 2-pin terminal block

**Button** 1 x Power button (reset function button)

#### LCD Display

**Size/Type** 5" TFT LCD

**Resolution** 960(W) x 540(H)

**Brightness** 350 cd/m²

#### Touch Screen

**Type** 5-point projected capacitive touch (PCT)

#### Power Input

**DC Input** 2-pin terminal block  
12V~24V Auto-Detection

#### Mechanical & Environmental

**Ingress Protection** Front bezel IP65

**Operating Temp.** -10°C ~ 50°C (14°F ~ 122°F)

**Storage Temp.** -20°C ~ 60°C (-4°F ~ 140°F)

**Operating Humidity** 5% ~ 90% RH

**Dimensions (W x H x D)** 149.3 x 110 x 36.8 mm (5.88" x 4.33" x 1.45")

**Weight** Under 350g (0.77 lb)

#### Installation

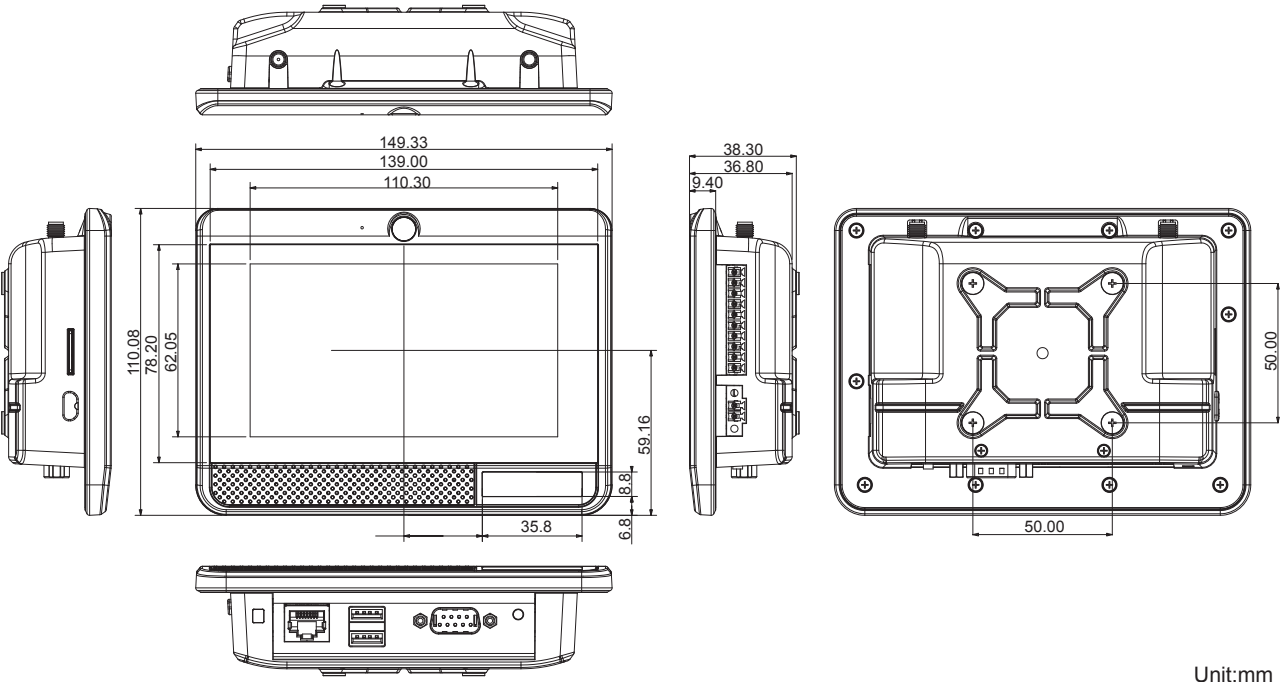
**VESA Mount** 50mm x 50mm

#### Ordering Information

|              |                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------|
| IOT-500 Lite | 5" Risc-based Panel PC with Dual-core ARM Cortex-A7 1.0GHz, Wi-Fi, Bluetooth, camera, GPS, CAN Bus        |
| IOT-500 Full | 5" Risc-based Panel PC with Dual-core ARM Cortex-A7 1.0GHz, Wi-Fi, Bluetooth, camera, GPS, CAN Bus and 3G |



# Dimensions



## Standard Accessories

|                          |                                      |
|--------------------------|--------------------------------------|
| Terminal Block Connector | 2-pin DC Terminal Block, Plug, Green |
| Antenna                  | Wi-Fi/Bluetooth Antenna              |
| Manual                   | User Manual                          |

## Optional Accessories

|               |                           |
|---------------|---------------------------|
| Power Adapter | 12V/2AAC/DC Power Adapter |
|---------------|---------------------------|



## Optional Configuration (CTOS\* Kit) (Not Sold Separately)

|           |                                                                                  |
|-----------|----------------------------------------------------------------------------------|
| 3G Module | 2G GSM/GPRS/EDGE (Band 850 / 900 / 1800 / 1900)<br>3G WCDMA/HSPA+ (Band 1,2,5,8) |
|-----------|----------------------------------------------------------------------------------|

\*CTOS means Configure-to-Order Service.