

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 5.1 |
| 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 802.11a/b/g/n/ac |
| Bluetooth | Bluetooth 4.1 (BLE, HS compliant) |
| WWAN | 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 | 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 card | 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 |
| Max. Resolution | 960(W) x 540(H) |
| Brightness (cd/m²) | 350 cd/m² |
| Touch Screen | 5 points capacitive touch (PCT) |

Power Input

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

Mechanical & Environmental

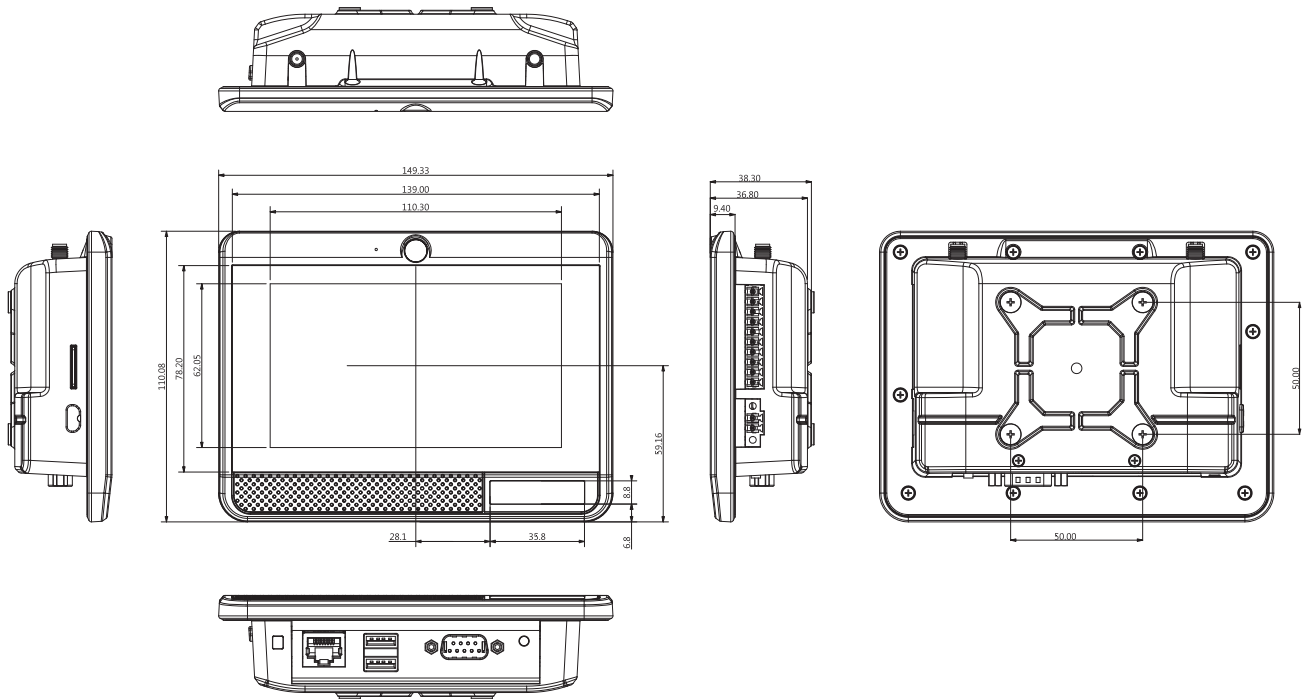
| | |
|------------------------------|------------------------------|
| Ingress Protection | Front bezel IP65 |
| Operating Temperature | -10°C ~ 50°C (14°F ~ 122°F) |
| Storage Temperature | -20°C ~ 60°C (-4°F ~ 140°F) |
| Operating Humidity | 5% ~ 90% RH |
| Dimensions(mm) | 149.3(W) x 110(H) x 36.8 (D) |
| Weight | Under 350g |

Installation

| | |
|-------------------|------------|
| VESA mount | 50mm x50mm |
|-------------------|------------|



Dimensions



Ordering Information

| Part Name | Description |
|-----------|--|
| IOT-500-S | 5" display, 960x540 resolution, Dual core 1.0 GHz CPU, Android 5.1, Camera, WiFi a/b/g/n/ac, BT4.1 BLE, 1 x Ethernet, 1x serial port, CAN 2.0b/OBD II, RoHS |
| IOT-500-G | 5" display, 960x540 resolution, dual core. 1.0 GHz CPU, Android 5.1, Camera, 3G+ WiFi a/b/g/n/AC. BT4.1 BLE, 1 x Ethernet, 1x serial port. CAN 2.0b/OBD II, RoHS |

Packing Information

| Part Name | Item | Description | Q'ty |
|-----------|---------------------------|--------------------------------------|------|
| IoT-500-S | Terminal Block connectors | 2 Pin DC Terminal Block, PLUG, GREEN | 1 |
| | | 10 Pin Terminal Block, PLUG, GREEN | 1 |
| | Antenna | Wi-Fi Antenna | 1 |
| | QSG | Quick Start Guide | 1 |
| IoT-500-G | Terminal Block connectors | 2 Pin DC Terminal Block, PLUG, GREEN | 1 |
| | | 10 Pin Terminal Block, PLUG, GREEN | 1 |
| | Antenna | Wi-Fi Antenna | 1 |
| | | 3G Antenna | 1 |
| | QSG | Quick Start Guide | 1 |

Optional Accessories list

| Part Name | Description | Q'ty |
|---------------------|------------------------------------|------|
| AC-DC power adapter | Input : 100V-240V, Output : 12V/2A | 1 |



AC-DC power adapter

Functions Support Comparison

| Part Name | Wide range Voltage | Ethernet | Bluetooth | Wi-Fi | GPS | 3G | Camera |
|-----------|--------------------|----------|-----------|-------|-----|----|--------|
| IoT-500-S | V | V | V | V | | | |
| IoT-500-G | V | V | V | V | V | V | V |

Solutions

| Part Name | Retail | T&L | Oil & Gas | Hospitality | Public safety | Manufacturing |
|-----------|--------|-----|-----------|-------------|---------------|---------------|
| IoT-500-S | V | | V | V | | V |
| IoT-500-G | V | V | V | V | V | V |

