



Features

- 12.1" TFT LCD display, LED Backlit, XGA 1024 *768;
- Intel Apollo Lake J3455 1.5Ghz Quad-core processor;
- Multi-point projected capacitive touch, or 5-wire resistive touch;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 12V, with over-current, over-voltage and polarity protection;
- 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1* VGA, Mic-in/Line-out;
- Fan-less & Rich IO design, Panel mount, VESA, Front IP65 protection.

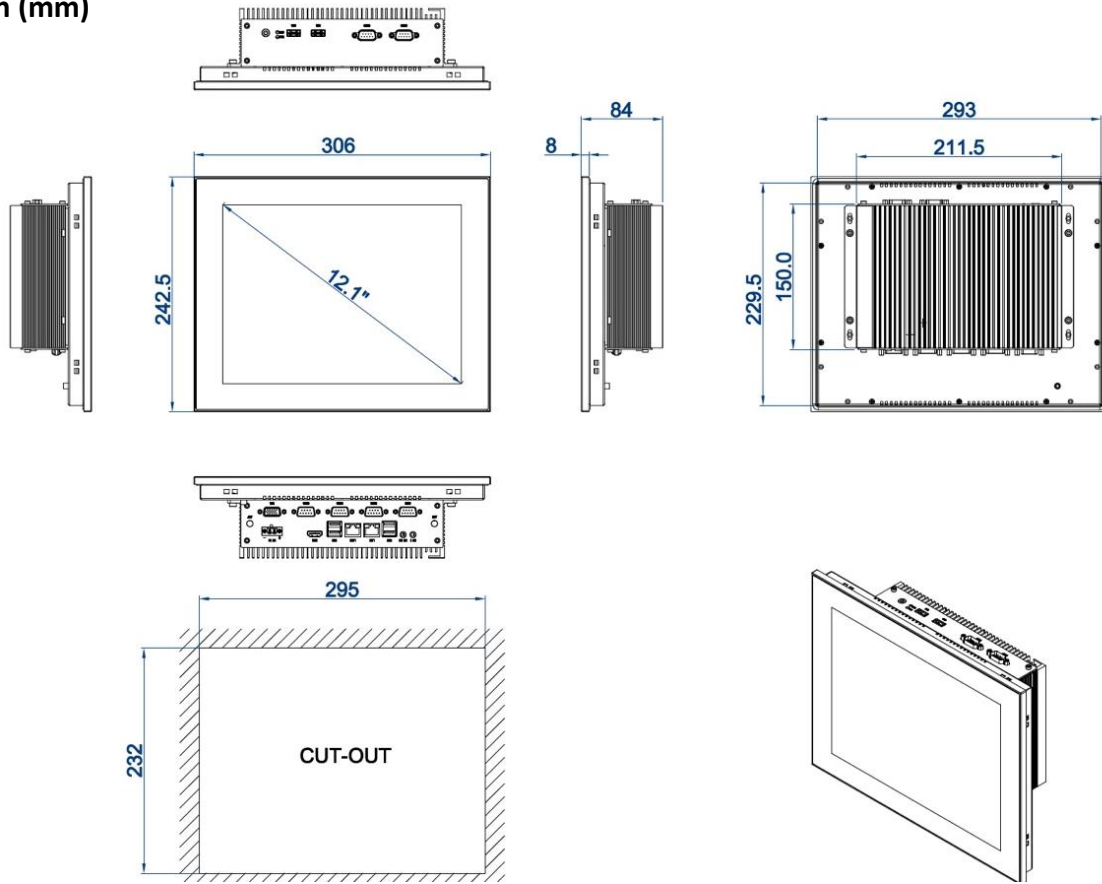


Specification

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|----------------------------------|-----------------------|---|
| Hardware & System | BIOS | SPI AMI EEI BIOS |
| | CPU | Intel Apollo Lake J3455, Quad-core 1.5Ghz, burst to 2.3Ghz |
| | Memory | SO-DIMM, DDR3-1866Mt/s, Max. up to 8GB |
| | Storage | 1*mSATA (Optional support 1* 2.5" SATA) |
| | Graphic | Intel HD Graphics 500 |
| | Network | 2* Intel I211AT (Optional 3G/4G/Wi-Fi) |
| | Audio | On-board Realtek ACL 269 audio controller |
| | Expansion | 1* Full size Mini-PCIe slot |
| | Watch dog | 0~256 seconds programmable |
| | OS | Win10, Linux |
| | IO interface | COM |
| Ethernet | | 2* RJ45, 10/100/1000 Mbps |
| Audio | | Mic-in/Line-out |
| USB | | 4x USB3.0, 2x USB2.0 |
| Display | | 1x HDMI, 1x HDMI |
| Power | | 1x 2 pins, phenix terminal |
| LCD Display | Size/Tvov | 12.1" TFT LCD |
| | Resolution | 1024 * 768 (XGA) |
| | Brightness | 350 nits |
| | Backlit & MTBF | LED backlit & 30 000hours |
| | Display area | 245.76 * 184.32 |
| | View angle | 80/80/80/80 |
| Touchscreen | Tvov | Projective capacitive touchscreen / Wide temp. 5-wires Resistive touchscreen. EETI controller |
| | Touch points | Multi points touch, max. up to 10 points (Pcap) / Single touch (Resistive) |
| | Durability | >100 000 000 times (PCap) / 35 million clicks@ 250g (Resistive) |
| | Surface hardness | Glass, Mohs 6H hardness (PCap) / PET film laminated, flat design (Resistive) |
| | Special treatment | Anti-fingerprint (PCap) |
| Structure | Structure and surface | Magnesium-Aluminum alloy, sand blasting, anodized treatment |
| | Mount method | Panel mount (Optional support VESA 75/100) |
| | Cooling system | Large area finned heat sink |
| | Overall dimension | 306.0 * 242.5 * 84 (mm) |
| | Cut-out dimension | 295 * 232 (mm) |
| | Net weight | 4.2 KG |
| | IP protection | Front Panel IP65 |
| Power & Environmental | Operating temp. | -20 ~ +70°C |
| | Storage temp. | -30 ~ +80°C |
| | Relative Humidity | 10 ~ 95% @ 10C (Non-condensation) |
| | Vibration | 50 ~ 500 Hz, 1.5G, 0.15mm peak to peak |
| | Shock | 10G/Peak (11 ms) |
| | Power input | DC 12V (Optional DC 9~36V) |

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|-------------------|----------------|
| Power consumption | Around 30W |
| EMC | CE/FCC Class A |

Dimension (mm)



Ordering info.

| Part no. | Description |
|----------------------------------|---|
| PPC-121-A1-CT | 12.1", 1024 * 768, Intel Apollo Lake j3455, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12V |
| PPC-121-A1-RT | 12.1", 1024 * 768, Intel Apollo Lake j3455, Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12V |
| -2G / -4G / -8G | Memory: SO-DIMM, DDR3, <u>2GB/4GB/8GB</u> Memory |
| -64GS / -128GS / -256GS / -512GS | mSATA SSD: <u>64GB/128GB/256GB/512GB</u> |
| | 2.5" SATA SSD: <u>256GB/512GB</u> |
| | 2.5" HDD: <u>1TB/2TB/4TB</u> |
| TBOX-WIFI | Wi-Fi module, with Antenna |
| TBOX-WIBlu | Wi-Fi with BT integrated module, with Antenna |
| EC25-AU-PCKit | All network 4G/LTE module, With Antenna |
| TPS-DTD936M1 | DC to DC, wide power input DC 9 ~ 36V |
| TA-VESAB1 | Additional VESA bracket for VESA mounting |

Packing List

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|------------------------------|
| ■ 1x Standard Product |
| ■ 1x 60W PSU (Power Supply) |
| ■ 1x Power cable & Plug |
| ■ 8x Panel mount metal clips |

