



Features

- 18.5" TFT LCD display, LED Backlit, WXGA 1366 *768;
- Intel 6th-gen. Skylake -U Celeron, Core i3/i5/i7, dual-core processor;
- Multi-point projected capacitive touch, or 5-wire resistive touch;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 12~24V, 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.

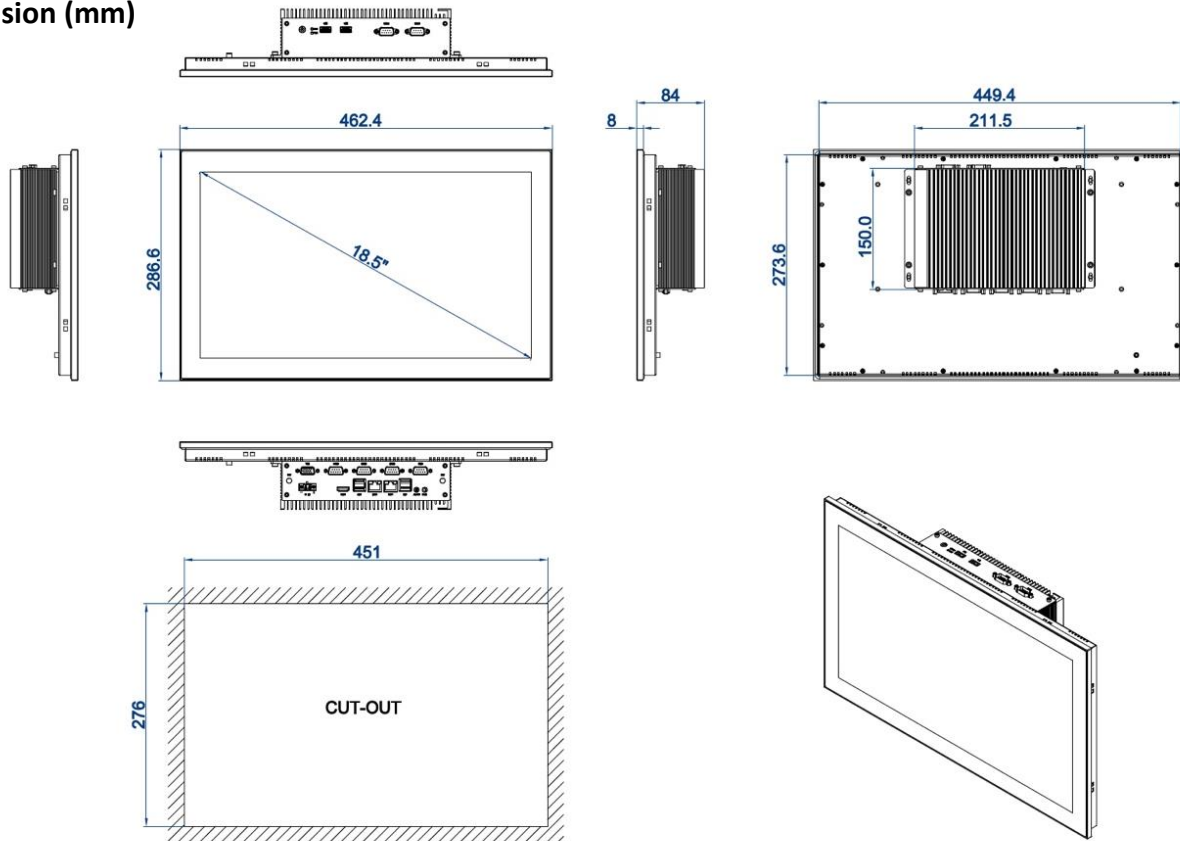


Specification

| | | | | | |
|----------------------------------|-----------------------|---|----------------------------|-------------------------|-------------------------|
| Hardware & System | BIOS | SPI AMI EEI BIOS | | | |
| | CPU | Celeron 3855U, Dual core | i3-6100U, Dual core 2.3Ghz | i5-6200U, Dual-core | I7-6500U, Dual-core |
| | | 1.6Ghz | | 2.3Ghz, burst to 2.8Ghz | 2.5Ghz, burst to 3.1Ghz |
| | Memory | SO-DIMM, DDR4, max. up to 16GB | | | |
| | Storage | 1*mSATA (Optional support 1* 2.5" SATA) | | | |
| | Graphic | Intel HD Graphics 520 | | | |
| | 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 | Win7, Win8, Win embedded, Win10, Linux | | | |
| IO interface | COM | 6x RS232 (Optional support 1x RS485) | | | |
| | Ethernet | 2x RJ45, 10/100/1000 Mbps | | | |
| | Audio | Mic-in/Line-out | | | |
| | USB | 4x USB3.0, 2x USB2.0 | | | |
| | Display | 1x HDMI, 1x VGA | | | |
| | Power | 1x 2 pins, phenix terminal | | | |
| LCD Display | Size/Type | 18.5" TFT LCD | | | |
| | Resolution | 1366 * 768 (WXGA) | | | |
| | Brightness | 250 nits | | | |
| | Backlit & MTBF | LED backlit & 30 000hours | | | |
| | Display area | 409.8 * 230.4 | | | |
| | View angle | 85/85/80/80 | | | |
| Touchscreen | Type | 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 milion 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 | 462.4 * 296.6 * 84.0 (mm) | | | |
| | Cut-out dimension | 451 * 276 (mm) | | | |
| | Net weight | 6.0 KG | | | |
| | IP protection | Front Panel IP65 | | | |
| Power & Environmental | Operating temp. | 0 ~ +50°C | | | |
| | Storage temp. | -20 ~ +60°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 12~24V |
| Power consumption | Around 40W |
| EMC | CE/FCC Class A |

Dimension (mm)



Ordering info.

| Part no. | Description |
|----------------------------------|--|
| PPC-185-S0-CT | 18.5", 1366 * 768, Celeron 3855U, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| PPC-185-S1-CT | 18.5", 1366 * 768, Core i3-6100U, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| PPC-185-S2-CT | 18.5", 1366 * 768, Core i5-6200U, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| PPC-185-S3-CT | 18.5", 1366 * 768, Core i7-6500U, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| PPC-185-S0-RT | 18.5", 1366 * 768, Celeron 3855U, Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| PPC-185-S1-RT | 18.5", 1366 * 768, Core i3-6100U, Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| PPC-185-S2-RT | 18.5", 1366 * 768, Core i5-6200U, Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| PPC-185-S3-RT | 18.5", 1366 * 768, Core i7-6500U, Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| -4G / -8G / -16G | Memory: SO-DIMM, DDR4, 4GB/8GB/16GB Memory |
| -64GS / -128GS / -256GS / -512GS | mSATA SSD: 64GB/128GB/256GB/512GB |
| | 2.5" SATA SSD: 256GB/512GB |
| | 2.5" HDD: 1TB/2TB/4TB |
| 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 |
| 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 |