

TPC-PR185HA1

18.5" FHD Apollo Lake Touch Panel PC

Version: 3.0



Features

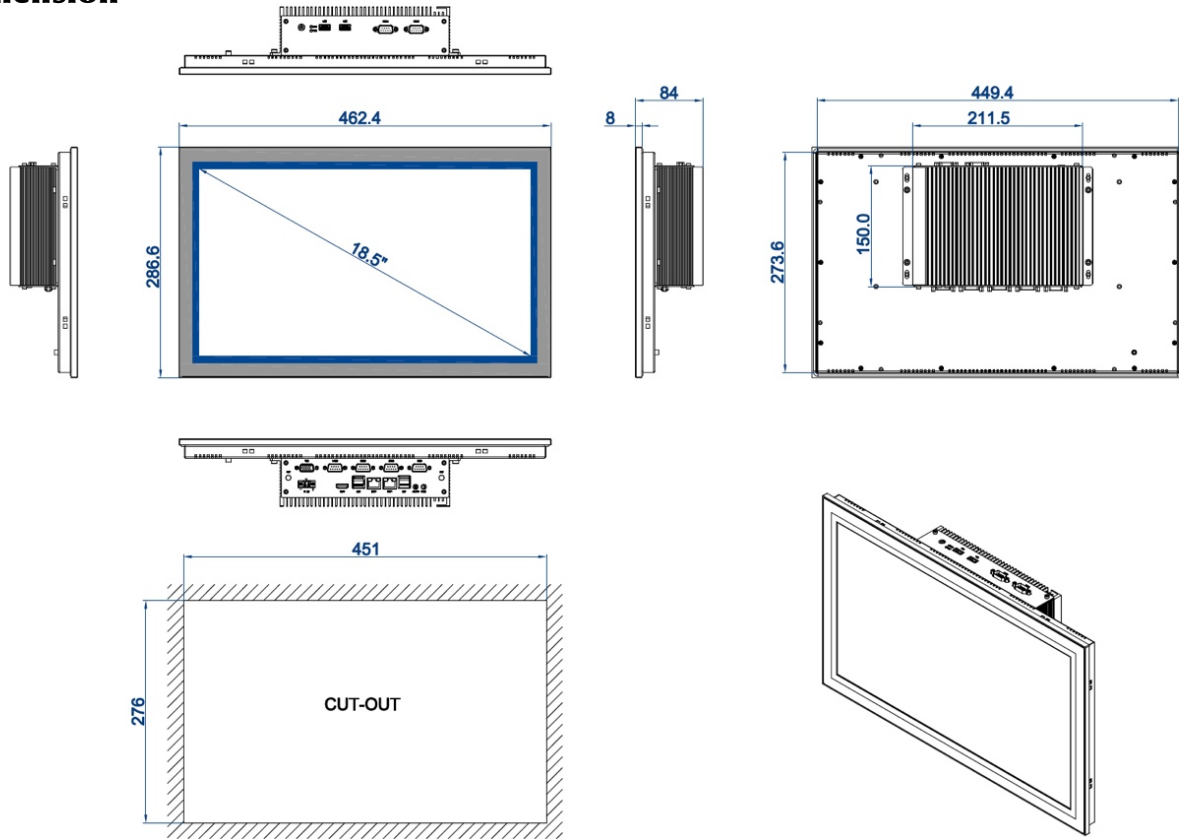
- 18.5" TFT LCD display, LED Backlit, Full HD 1920 * 1080;
- Intel Apollo Lake J3455 1.5Ghz Quad-core processor;
- High temp. 5-wires precision resistive touchscreen, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 12V, with over-current, over-voltage and polarity 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

| | | |
|----------------------------------|-----------------------|---|
| Hardware & System | BIOS | SPI AMI EET BIOS |
| | CPU | Intel Apollo Lake J3455, Quad-core 1.5Ghz, burst to 2.3Ghz |
| | Memory | SO-DIMM, Support DDR3L 1333/1600/1866 MHz, 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 | 2*RS232 (Optional support 1x RS485) |
| | Ethernet | 2* RJ45, 10/100/1000 Mbps |
| | Audio | Mic-in/Line-out |
| | USB | 4x USB3.0 |
| | Display | 1x HDMI |
| | Power | 1x 2 pins, phenix terminal |
| LCD Display | Size/Type | 18.5" TFT LCD |
| | Resolution | 1920 * 1080 (Full HD) |
| | Brightness | 350 nits |
| | Backlit & MTBF | LED backlit & 50 000hours |
| | Display area | 409.8 * 230.4 |
| | View angle | 85/85/85/85 |
| Touchscreen | Type | High temp. 5-wires Resistive touchscreen |
| | Response time | <5ms |
| | Click life | 250g / 35 million times |
| | Special treatment | PET film laminated, flat design |
| | Touch controller | EETI |
| 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. | -20 ~ +60°C |
| | Storage temp. | -30 ~ +70°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 with DC 9~36V) |
| | Power consumption | Around 35W |
| EMC | CE/FCC Class A | |

DIMENSIONAL DRAWING:TPC-PR185

Dimension



DIMENSIONS IN MILLIMETERS

TAICEM
 DATE:2019.06.13
 REV:A Unit:mm

Ordering info.

| Part no. | Description |
|-----------------------------|--|
| TPC-PC185HA1 | 18.5" LCD, 1920 * 1080, Intel Apollo Lake J3455, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12V |
| TPC-PR185HA1 | 18.5" LCD, 1920 * 1080, Intel Apollo Lake J3455, Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12V |
| TDDR3-2/4/8GB1 | Memory: SO-DIMM, DDR3L, 2GB/4GB/9GB Memory |
| TMSATA-32/64/128/256/512GB1 | mSATA SSD: 32GB/64GB/128GB/256GB/512GB |
| T25SAS-256/512GB1 | 2.5" SATA SSD: 256GB/512GB |
| T25SAH-1T/2T/4TB1 | 2.5" HDD: 1TB/2TB/4TB |
| TWM-WIFIA1 | Wi-Fi module, with Antenna |
| TWM-WIFIB1 | Wi-Fi with BT integrated module, with Antenna |
| TWM-4GA1 | 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 |