# TPC-PC185K

**18.5" WXGA intel Core Touch Panel PC**

Version: 3.0





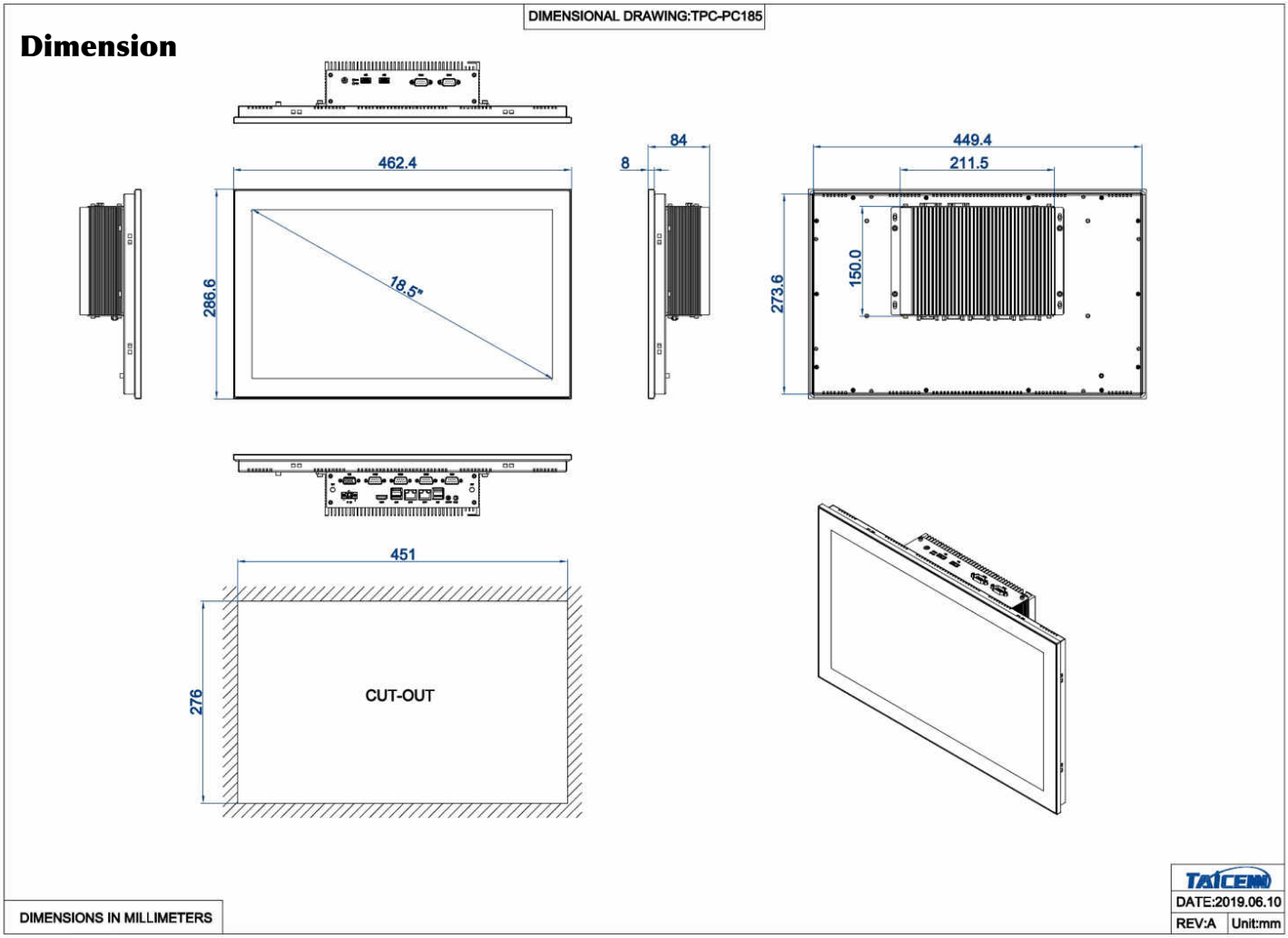
## Features

- 18.5" TFT LCD display, LED Backlit, WXGA 1366 *768;
- Intel 7th -gen. Kaby Lake -U Core i3/i5/i7, dual-core processor;
- Multi-points (Max. up 10 points) Projective capacitive touch, EETI controller;
- 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 | Core i3-7100U, Dual-core 2.4Ghz | Core i5-7200U, Dual-core 2.5Ghz, burst to 3.1Ghz | Core i7-7500U, Dual-core 2.7Ghz, burst to 3.5Ghz |
| | Memory | SO-DIMM, DDR4, max. up to 16GB | | |
| | Storage | 1*mSATA (Optional support 1* 2.5" SATA) | | |
| | Graphic | Intel HD Graphics 620 | | |
| | 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 | | |
| | Touch points | Multi points touch, max. up to 10 points | | |
| | Durability | >100 000 000 times | | |
| | Surface hardness | Mohs 6H | | |
| | Special treatment | Anti-fingerprint (AF) | | |
| **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℃ | | |
| | Storage temp. | -20 ~ +60℃ | | |
| | 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




## Ordering info.

| Part no. | Description |
|---|---|
| TPC-PC185K1 | 18.5″ LCD, WXGA 1366 * 768, **Core i3-7100U**, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| TPC-PC185K2 | 18.5″ LCD, WXGA 1366 * 768, **Core i5-7200U**, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| TPC-PC185K3 | 18.5″ LCD, WXGA 1366 * 768, **Core i7-7500U**, Pcap. touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V |
| TDDR4-**4/8/16**GB1 | Memory: SO-DIMM, DDR4,4GB/8GB/16GB Memory |
| TMSATA-**32/64/128/256/512**GB1 | mSATA SSD: 32GB/64GB/128GB/256GB/512GB |
| T25SAS-**256/512**GB1 | 2.5″ SATA SSD: 256GB/512GB |
| T25SAH-**1T/2T/4T**B1 | 2.5″ HDD: 1TB/2TB/4TB |
| TWM-WIFIA1 | Wi-Fi module, with Antenna |
| TWM-WIFIBT1 | Wi-Fi with BT integrated module, with Antenna |
| TWM-4GA1 | All network 4G/LTE module, With Antenna |
| TA-VESAB1 | Additional VESA bracket for VESA mounting |

## Packing List

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



PLUG-IN Electronic GmbH • Am Sonnenlicht 5 • 82239 Alling • Tel.: +49 (0) 8141 3697-0 • info@plug-in.de • www.plug-in.de