



## Features

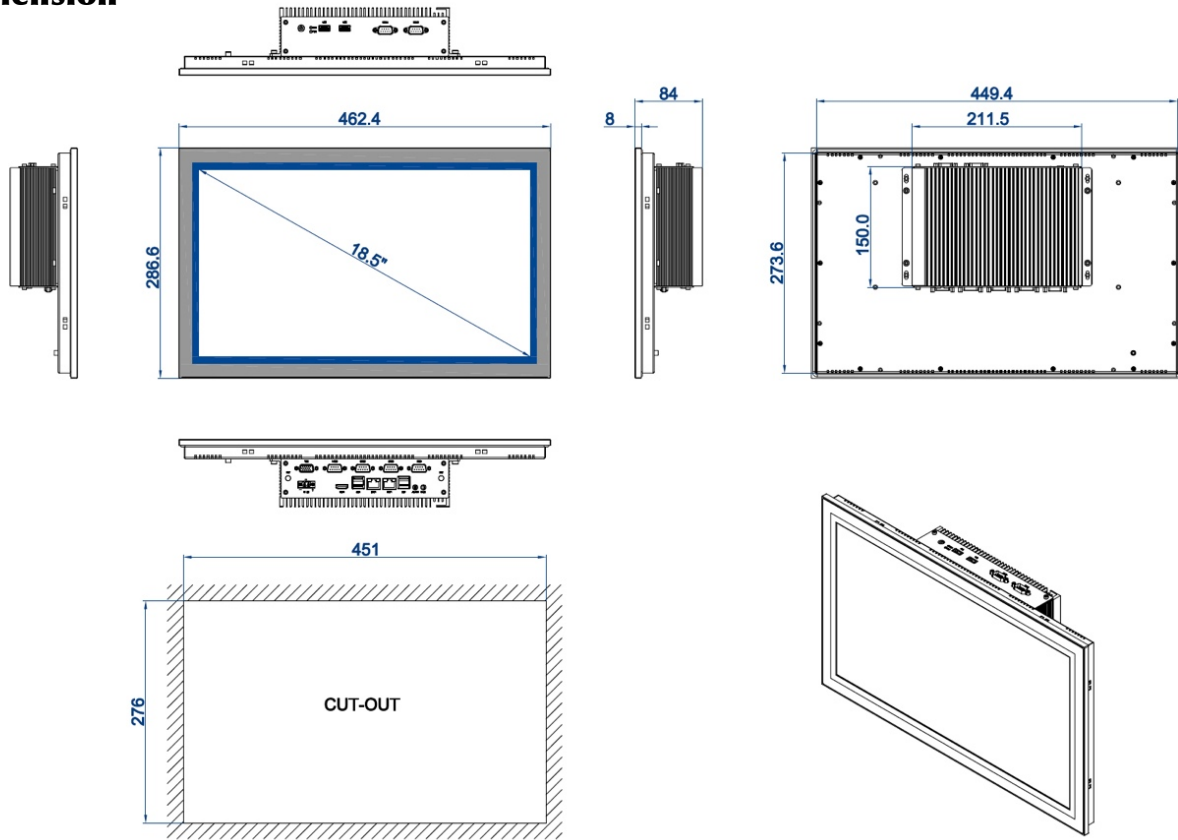
- 18.5" TFT LCD display, LED Backlit, WXGA 1366 \*768;
- Intel 7<sup>th</sup> -gen. Kaby Lake -U Core i3/i5/i7, dual-core processor;
- High temp. 5-wires precision resistive touchscreen, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 12~24V, with over-current, 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

<b>Hardware &amp; System</b>	BIOS	SPI AMI EEI BIOS		
	CPU	Core i3-7100U, Dual-core	Core i5-7200U, Dual-core	Core i7-7500U, Dual-core
		2.4Ghz	2.5Ghz, burst to 3.1Ghz	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			
<b>IO interface</b>	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		
<b>LCD Display</b>	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		
<b>Touchscreen</b>	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		
<b>Structure</b>	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		
<b>Power &amp; Environmental</b>	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		

DIMENSIONAL DRAWING:TPC-PR185

**Dimension**



DIMENSIONS IN MILLIMETERS

**TAICEM**  
 DATE:2019.06.13  
 REV:A Unit:mm

**Ordering info.**

Part no.	Description
TPC-PR185K1	18.5" LCD, WXGA 1366 * 768, <b>Core i3-7100U</b> , Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V
TPC-PR185K2	18.5" LCD, WXGA 1366 * 768, <b>Core i5-7200U</b> , Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V
TPC-PR185K3	18.5" LCD, WXGA 1366 * 768, <b>Core i7-7500U</b> , Resistive touch, 2*GLAN, 6*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 12~24V
TDDR4- <del>4</del> / <b>8</b> / <b>16</b> GB1	Memory: SO-DIMM, DDR4, <u>4GB/8GB/16GB</u> Memory
TMSATA- <del>32</del> / <b>64</b> / <b>128</b> / <b>256</b> / <b>512</b> GB1	mSATA SSD: <u>32GB/64GB/128GB/256GB/512GB</u>
T25SAS- <b>256</b> / <b>512</b> GB1	2.5" SATA SSD: <u>256GB/512GB</u>
T25SAH- <b>1T</b> / <b>2T</b> / <b>4TB</b> 1	2.5" HDD: <u>1TB/2TB/4TB</u>
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
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