

# TPC-DRM185K

18.5" WXGA Intel Core Resistive Panel PC

Version: 3.0



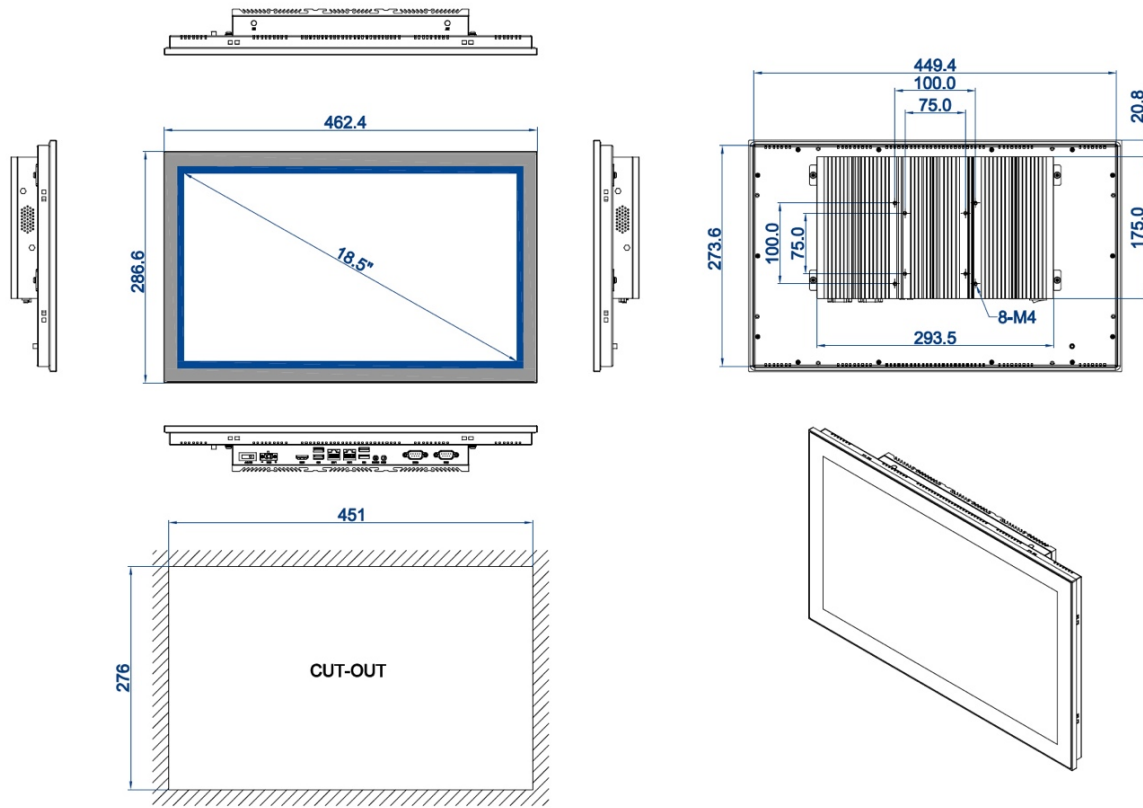
## Features

- 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, 4\*USB3.0, 2\*COM, 1\*HDMI, Mic-in/Line-out;
- Fan-less & Slim 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* 2.5"SATA + 1*mSATA		
	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	2*RS232 (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		
<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, VESA 75/100		
	Cooling system	Large area finned heat sink		
	Overall dimension	462.4 * 296.6 * 56.5 (mm)		
	Cut-out dimension	451 * 276 (mm)		
	Net weight	5.6 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		

### Dimension



DIMENSIONS IN MILLIMETERS

**TAICEM**  
 DATE:2019.05.15  
 REV:C Unit:mm

### Ordering info.

Part no.	Description
TPC-DRM185K1	18.5", 1366 * 768, <b>Core i3-7100U, Dual-core 2.4Ghz</b> , Resistive touch, 2*GLAN, 4*USB, 2*COM, 1*HDMI, Mic-in/Line-out, DC 12~24V
TPC-DRM185K2	18.5", 1366 * 768, <b>Core i5-7200U, Dual-core 2.5Ghz</b> , Resistive touch, 2*GLAN, 4*USB, 2*COM, 1*HDMI, Mic-in/Line-out, DC 12~24V
TPC-DRM185K3	18.5", 1366 * 768, <b>Core i7-7500U, Dual-core 2.7Ghz</b> , Resistive touch, 2*GLAN, 4*USB, 2*COM, 1*HDMI, Mic-in/Line-out, DC 12~24V
TDDR4-4/8/16GB1	Memory: SO-DIMM, DDR4,4GB/8GB/16GB 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
TS-2W2MS	2 * 2W Mini Speaker

### Packing List

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