

TPC-PR185HW

18.5" Intel 8th Gen. CPU Resistive Industrial Panel PC

Version: 1.0



Features

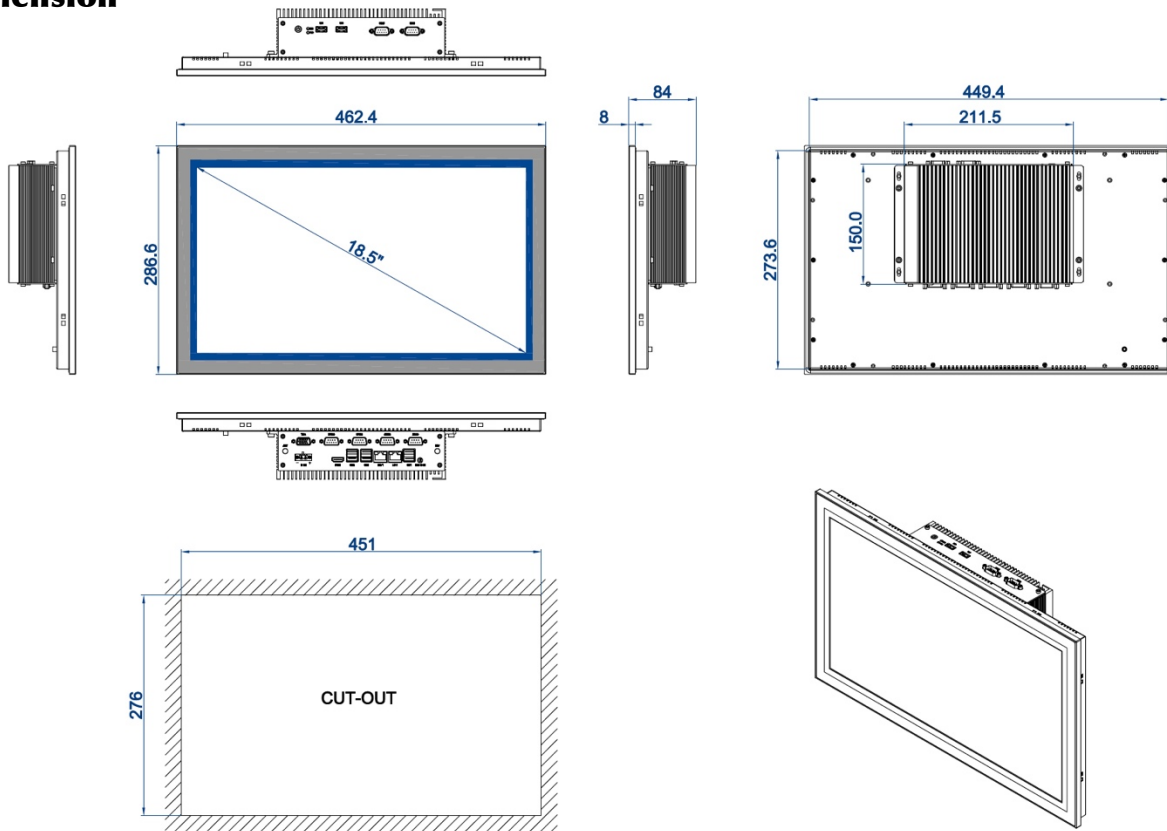
- Widescreen 18.5" TFT LCD display, LED Backlit, FHD 1920 * 1080;
- Intel 8th -gen. Whiskey Lake Core i3/i5/i7 processor;
- High temp. 5-wires precision resistive touchscreen, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 9~24V, with over-current, over-voltage and polarity protection;
- 2*GLAN, 4*USB3.0, 4*USB2.0, 6*COM, 1*HDMI, 1*VGA, Line-out;
- Fan-less & Rich IOs design, Panel mount, VESA, Front IP65 protection.

Specification

Hardware & System	BIOS	SPI AMI EEI BIOS
	CPU	Intel 8 th -gen. Whiskey Lake Core i3-8145U, Core i5-8265U, Core i7-8565U
	Memory	SO-DIMM, DDR4-2400 MT/s, Max. up to 16GB
	Storage	1*mSATA (Optional support 1* 2.5" SATA)
	Graphic	Intel UHD 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	Win10, Linux
IO interface	COM	6*RS232 (Support 1x RS485)
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Audio	Line out
	USB	4x USB3.0, 4x USB2.0
	Display	1x HDMI, 1x VGA
	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 mount with bracket)
	Cooling system	Large area finned heat sink
	Overall dimension	395.6 * 247.9 * 84.0 (mm)
	Cut-out dimension	385 * 237 (mm)
	Net weight	5.0 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 9~24V
	Power consumption	Around 40W
EMC	CE/FCC Class A	

DIMENSIONAL DRAWING:TPC-PR185W

Dimension



DIMENSIONS IN MILLIMETERS

TAICENN
 DATE:2020.12.09
 REV:A Unit:mm

Ordering info.

Part no.	Description
TPC-PR185HW1	18.5", 1920 * 1080, Core i3-8145U, Dual-core 2.1Ghz , Resistive touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 9~24V
TPC-PR185HW2	18.5", 1920 * 1080, Core i5-8265U, Quad-core 1.6Ghz , Resistive touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 9~24V
TPC-PR185HW3	18.5", 1920 * 1080, Core i7-8565U, Quad-core 1.8Ghz , Resistive touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 9~24V
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-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