

TPC-PR185HC1

18.5" FHD Intel J1900 Touch Panel PC

Version: 3.0



Features

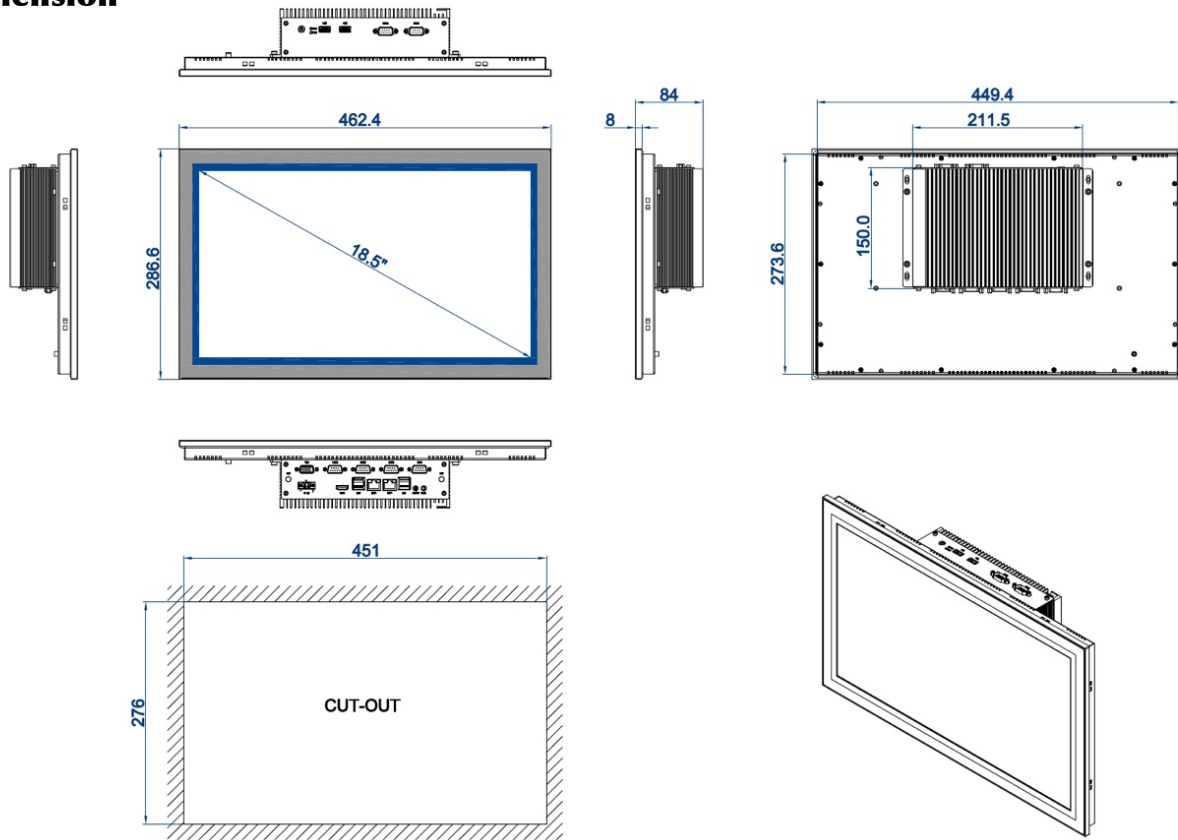
- 18.5" TFT LCD display, LED Backlit, Full HD 1920 * 1080;
- Intel Baytrail J1900 2.0Ghz Quad-core processor;
- High temp. 5-wires precision resistive touchscreen, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- Wide voltage DC 9~24V power input;
- 2*GLAN, 5*USB, 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 Baytrail J1900, Quad-core 2.0Ghz, burst to 2.42Ghz
	Memory	SO-DIMM, DDR3L-1333, Max. up to 8GB (Compatible with DDR3)
	Storage	1*mSATA (Optional support 1* 2.5" SATA)
	Graphic	Intel HD Graphics Gen7
	Network	2* Intel I211AT (Optional 3G/4G/Wi-Fi)
	Audio	On-board Realtek ACL 282 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	2* RJ45, 10/100/1000 Mbps
	Audio	Mic-in/Line-out
	USB	1x 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)
	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 9~24V
	Power consumption	Around 35W
EMC	CE/FCC Class A	

DIMENSIONAL DRAWING:TPC-PR185

Dimension



DIMENSIONS IN MILLIMETERS

TAICEN
 DATE:2019.06.13
 REV:A Unit:mm

Ordering info.

Part no.	Description
TPC-PC185HC1	18.5" LCD, 1920 * 1080, Intel Baytrail J1900, Pcap. touch, 2*GLAN, 5*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 9~24V
TPC-PR185HC1	18.5" LCD, 1920 * 1080, Intel Baytrail J1900, Resistive touch, 2*GLAN, 5*USB, 6*COM, 1*HDMI, 1*VGA, Mic-in/Line-out, DC 9~24V
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
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