



Features

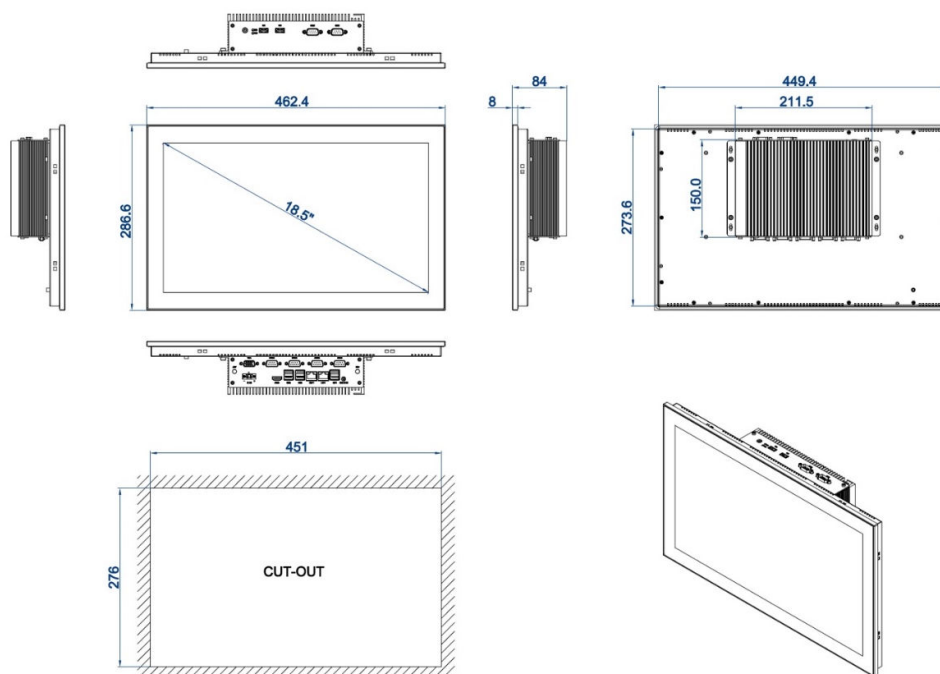
- Widescreen 18.5" TFT LCD display, WLED Backlit, FHD 1920 *1080;
- Intel 8th -gen. Whiskey Lake -U, Celeron Core i3/i5/i7 processor;
- Multi-point projected capacitive touch, or 5-wire resistive touch;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 12~24V, with over-current, over-voltage and polarity protection;
- 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out;
- Fan-less & Rich IO design, Panel mount, VESA, Front IP65 protection.



Specification

Hardware & System	BIOS	SPI AMI EEI BIOS		
	CPU	i3-8145U, Dual core	i5-8265U, Quad-core	i7-8565U, Quad-core
		2.1Ghz, burst to 3.9Ghz	1.5Ghz, burst to 3.9Ghz	1.8Ghz, burst to 4.6Ghz
	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-PCle slot		
	Watch dog	0~256 seconds programmable		
IO interface	OS	Win10, Linux		
	COM	6x RS232 (Support 1x RS485)		
	Ethernet	2x 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	Projective capacitive touchscreen / Wide temp. 5-wires Resistive touchscreen, EETI controller		
	Touch points	Multi points touch, max. up to 10 points (Pcap) / Single touch (Resistive)		
	Durability	>100 000 000 times (PCap) / 35 million clicks@ 250g (Resistive)		
	Surface hardness	Glass, Mohs 6H hardness (PCap) / PET film laminated, flat design (Resistive)		
	Special treatment	Anti-fingerprint (PCap)		
Structure	Structure and surface	Magnesium-Aluminum alloy, sand blasting, anodized treatment		
	Mount method	Panel mount (Optional support VESA 75/100 mount)		
	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 12~24V		
	Power consumption	Around 40W		
	EMC	CE/FCC Class A		

Dimensions (mm)



Ordering info.

Part no.	Description
PPC-185H-W1-CT	18.5", 1920 * 1080, Core i3-8145U , Pcap. touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 12~24V
PPC-185H-W1-RT	18.5", 1920 * 1080, Core i3-8145U , Resistive touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 12~24V
PPC-185H-W2-CT	18.5", 1920 * 1080, Core i5-8265U , Pcap. touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 12~24V
PPC-185H-W2-RT	18.5", 1920 * 1080, Core i5-8265U , Resistive touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 12~24V
PPC-185H-W3-CT	18.5", 1920 * 1080, Core i7-8565U , Pcap. touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 12~24V
PPC-185H-W3-RT	18.5", 1920 * 1080, Core i7-8565U , Resistive touch, 2*GLAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, Line-out, DC 12~24V
-4G / -8G / -16G	Memory: SO-DIMM, DDR4,4GB/8GB/16GB Memory
64GS / -128GS / -256GS / -512GS	mSATA SSD: <u>32GB/64GB/128GB/256GB/512GB</u>
	2.5" SATA SSD: <u>256GB/512GB</u>
	2.5" HDD: <u>1TB/2TB/4TB</u>
TBOX-WiFi	Wi-Fi module, with Antenna
TBOX-WiBlu	Wi-Fi with BT integrated module, with Antenna
EC25-AU-PCKit	All network 4G/LTE module, With Antenna (MiniPCle)
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

