



## Features

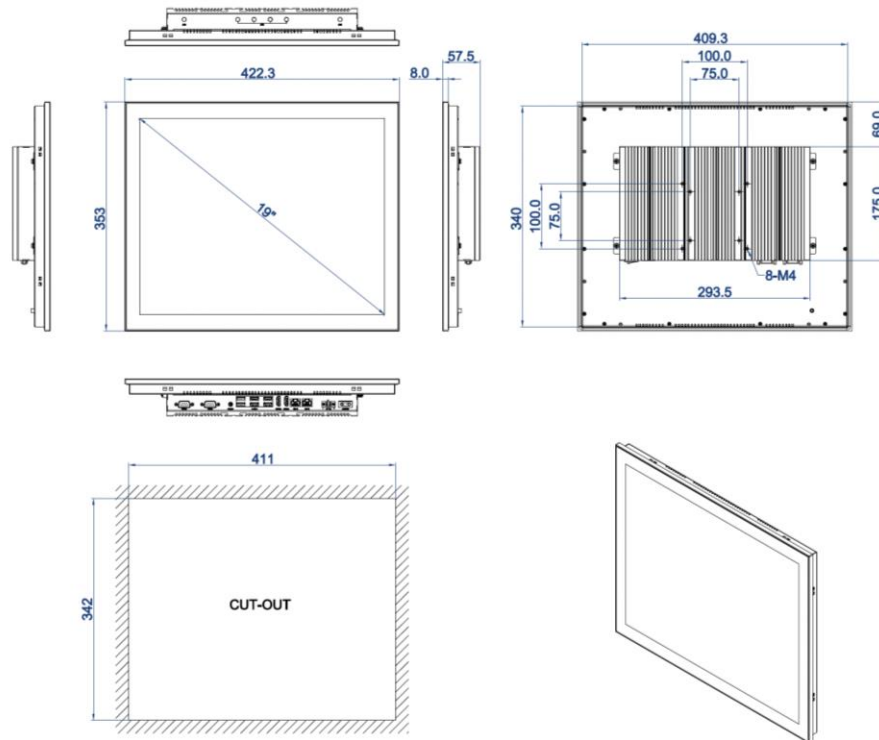
- 19.0" TFT LCD display, LED Backlit, SXGA 1280 \*1024;
- Intel 11th Gen. Tiger Lake UP3 Celeron, Core i3/i5/i7 processors;
- 1\* DDR4 memory, up to 32GB, 1\* M.2 2280 (NVMe) storage;
- Multi-point projected capacitive touch, or 5-wire resistive touch;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 12V power input, optional wide DC 9~36V input range;
- IO: 2\*GLAN, 6\*USB3.0, 2\*COM (DB9), 2\*HDMI, Audio;
- Intel PTT TPM2.0, support Windows 11;
- Fan-less & Slim design, Panel mount, VESA, Front IP65 protection.



## Specification

<b>Hardware &amp; System</b>	BIOS	SPI AMI EEI BIOS
	CPU	Intel 11 <sup>th</sup> Gen. Tiger Lake UP3 Celeron 6305E, Core i3-1115G4, Core i5-1135G7, Core i7-1165G7
	TDP	Default 15W (BIOS fixed)
	Memory	SO-DIMM, Support DDR4 2666/2933/3200 MHz, Max. up to 32GB
	Storage	1* M.2 2280 M-key (PCIe x4 Gen.IV NVMe) SSD, 1* 2.5" SATA SSD
	Graphic	Intel Iris Xe Graphics
	Network	1* Intel I219, 1* Intel I225 LAN chips, Optional Wi-Fi +BT, 3G/4G/5G
	Audio	On-board Realtek ACL 897 audio controller
	Expansion	1* M.2 (NGFF) Key-B 3052 slot, 1* M.2 (NGFF) Key-E 2230 slot
	Watch dog	0~256 seconds programmable
OS	Win10, Win11, Linux, Ubuntu	
<b>IO interface</b>	COM	2*RS232 (Optional 1* RS485)
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Audio	Mic-in/Line-out (2 in 1, 4.0mm jack)
	USB	6x USB3.0
	Display	2x HDMI
	Power	1x 2 pins, phenix terminal
<b>LCD Display</b>	Size/Type	19.0" TFT LCD
	Resolution	1280 * 1024 (SXGA)
	Brightness	250 nits
	Backlit & Lifetime	LED backlit & 30 000hours
	Display area	376.32 * 310.06
	View angle	89/89/89/89
<b>Touchscreen</b>	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 milion clicks@ 250g (Resistive)
	Surface hardness	Glass, Mohs 6H hardness (PCap) / PET film laminated, flat design (Resistive)
	Special treatment	Anti-fingerprint (PCap)
<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	422.3 * 353 * 57.5 (mm)
	Cut-out dimension	411 * 342 (mm)
	Net weight	6.2 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 12V (Optional DC 9~36V)
	Power consumption	Around 40W
	EMC	CE/FCC Class A

## Dimensions (mm)



## Ordering info.

Part no.	Description
PPC-DS190-T0-CT	19.0", 1280 * 1024, Celeron 6305E, Dual-core 1.80Ghz, Pcap. touch, 2*GLAN, 6*USB3.0, 2*COM, Audio, 2*HDMI, DC 12V, PSU
PPC-DS190-T0-RT	19.0", 1280 * 1024, Celeron 6305E, Dual-core 1.80Ghz, Resistive touch, 2*GLAN, 6*USB3.0, 2*COM, Audio, 2*HDMI, DC 12V, PSU
PPC-DS190-T1-CT	19.0", 1280 * 1024, Core i3-1115G4, Dual-core 4.10Ghz, Pcap. touch, 2*GLAN, 6*USB3.0, 2*COM, Audio, 2*HDMI, DC 12V, PSU
PPC-DS190-T1-RT	19.0", 1280 * 1024, Core i3-1115G4, Dual-core 4.10Ghz, Resistive touch, 2*GLAN, 6*USB3.0, 2*COM, Audio, 2*HDMI, DC 12V, PSU
PPC-DS190-T2-CT	19.0", 1280 * 1024, Core i5-1135G7, Quad-core 4.20Ghz, Pcap. touch, 2*GLAN, 6*USB3.0, 2*COM, Audio, 2*HDMI, DC 12V, PSU
PPC-DS190-T2-RT	19.0", 1280 * 1024, Core i5-1135G7, Quad-core 4.20Ghz, Resistive touch, 2*GLAN, 6*USB3.0, 2*COM, Audio, 2*HDMI, DC 12V, PSU
PPC-DS190-T3-CT	19.0", 1280 * 1024, Core i7-1165G7, Quad-core 4.40Ghz, Pcap. touch, 2*GLAN, 6*USB3.0, 2*COM, Audio, 2*HDMI, DC 12V, PSU
PPC-DS190-T3-RT	19.0", 1280 * 1024, Core i7-1165G7, Quad-core 4.40Ghz, Resistive touch, 2*GLAN, 6*USB3.0, 2*COM, Audio, 2*HDMI, DC 12V, PSU
-4G / -8G/-16G/-32G	SO-DIMM, DDR4, 4GB/8G/16G/32G Memory
-128GS / -256GS / -512GS	M.2 SSD: 128GB/256GB/512GB
TBOX-WiBlu	Wi-Fi with BT integrated module, with Antenna
EM06-E-PCKit	All network 4G/LTE module, With Antenna
	5G module, with Antenna
TBOX-9-36V	Optional 9-36V DC wide voltage input module with mains adaptor included
SIM Card module	Sim card slot for 3G/4G/5G wireless expansion

## Packing List

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

