

PPC-DS185H-A1

18.5" FHD Intel J3455 Panel PC

Version: 3.0



Features

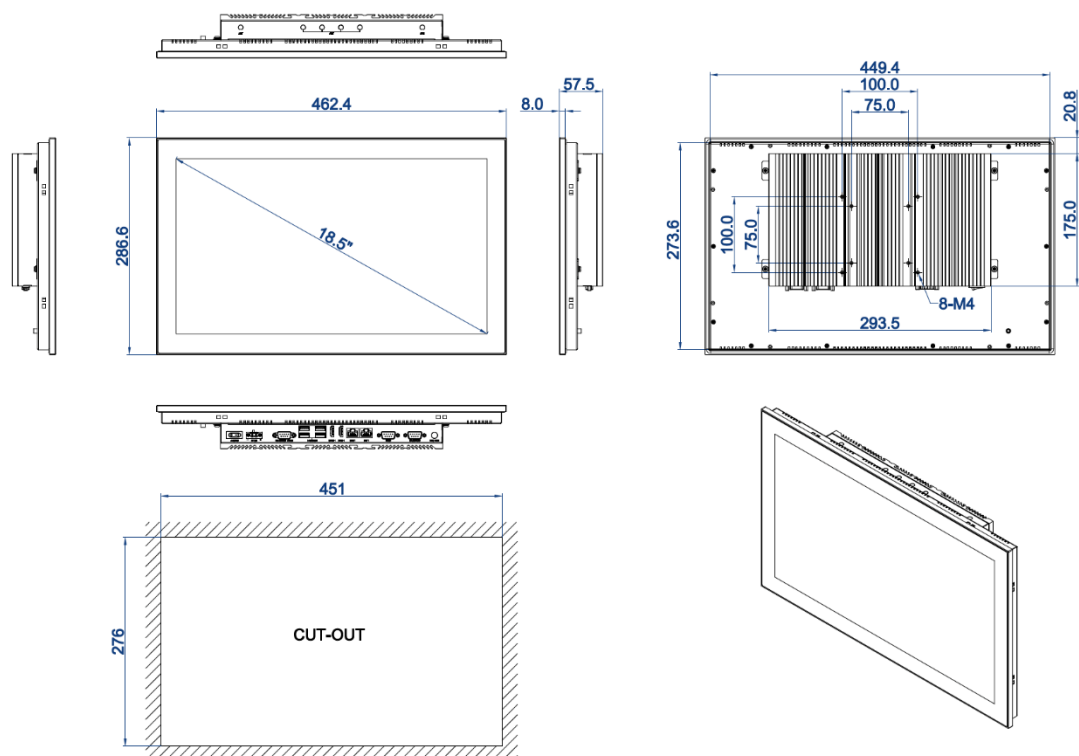
- Widescreen 18.5" TFT LCD display, LED Backlit, Full HD 1920 *1080;
- Intel Apollo Lake J3455 processor, Quad-core 1.5Ghz;
- Multi-point projected capacitive touch, or 5-wire resistive touch;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 12V, optional wide voltage DC 9~36V power input;
- IO: 2*GLAN, 4*USB3.0, 3*COM (DB9), 2*HDMI;
- Intel PTT TPM2.0, Support Windows 11 OS;
- Fan-less & Slim design, Panel mount, VESA, Front IP65 protection.



Specification

Hardware & System	BIOS	SPI AMI EEI BIOS
	CPU	Intel Apollo Lake J3455 processor, Quad-core 1.5Ghz, burst to 2.3Ghz
	Memory	SO-DIMM, Support DDR3L 1333/1600/1866 MHz, Max. up to 8GB
	Storage	1* M.2 (SATA)+ 1* 2.5" SATA
	Graphic	Intel HD Graphics 500
	Network	2* Intel I211 GBE LAN chip (Optional wireless 3G/4G, 5G, Wi-Fi/BT, Wi-Fi 6)
	Audio	On-board Realtek ACL 662 audio controller
	Expansion	1* M.2 Key-B slot, 1* M.2 Key-E slot
	Watch dog	0~256 seconds programmable
	OS	Win10, Win11, Linux, Ubuntu
IO interface	COM	3*RS232 (Default), Optional 1* RS485 or 8*GPIO
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Audio	Optional Line-out
	USB	4x USB3.0
	Display	2x HDMI
	Power	1x 2 pins, phenix terminal
LCD Display	Size/Tvpe	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, VESA 75/100
	Cooling system	Large area finned heat sink
	Overall dimension	462.4 * 296.6 * 57.5 (mm)
	Cut-out dimension	451 * 276 (mm)
	Net weight	5.6 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 12V (Optional DC 9~36V)
	Power consumption	Around 35W
	EMC	CE/FCC Class A

Dimensions (mm)



Ordering info.

Part no.	Description
PPC-DS185H-A1-CT	18.5", 1920 * 1080, Intel J3455, Quad-core 1.5Ghz, Pcap. touch, 2*GLAN, 4*USB3.0, 3*COM, 2*HDMI, DC 12V, PSU
PPC-DS185H-A1-RT	18.5", 1920 * 1080, Intel J3455, Quad-core 1.5Ghz, Resistive touch, 2*GLAN, 4*USB3.0, 3*COM, 2*HDMI, DC 12V, PSU
-4G / -8G	SO-DIMM, DDR3L, 4GB/8GB Memory
-128GS / -256GS / -512GS	M.2 SSD: 128GB/256GB/512GB
	2.5" SATA SSD: 64GB/128GB/256GB/512GB/1TB
	2.5" HDD: 2TB/4TB
TBOX-AUDIO	Optional Mic-In + Line-Out audio connections
TBOX-WiBlu-M2	Optional WiFi + Bluetooth Module (M.2 interface)
EM06-E-PCKit	Optional 4G LTE broadband module (M.2 interface)
	5G module, with Antenna (M.2 interface)
TBOX-9-36V	Optional 9-36V DC power input support
Power supply	Optional PSU for PPC-DS185H-W-A1
TBOX-SIMSLOT	Optional SIM Card Slot to suit 4G broadband module

Packing List

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

