

TPC-DRS185HA1

18.5" FHD Apollo Lake J3455 Panel PC

Version: 3.0



Features

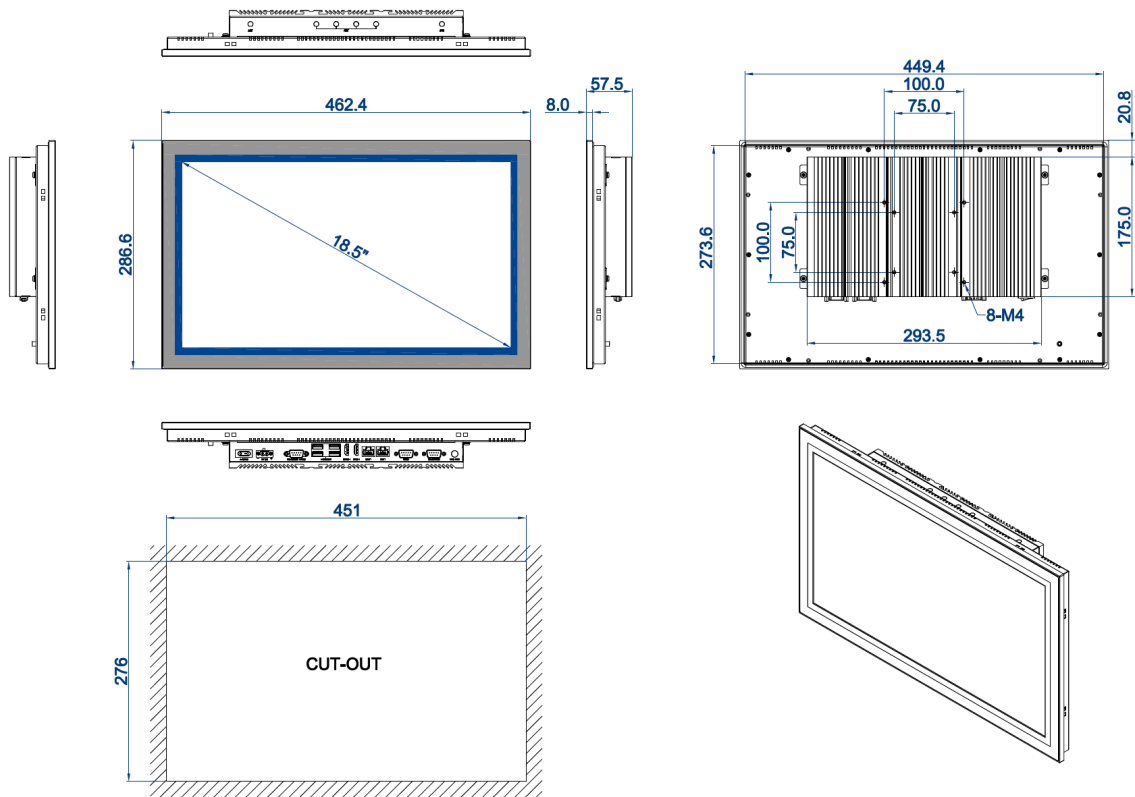
- Widescreen 18.5" TFT LCD display, LED Backlit, FHD 1920 *1080;
- Intel Apollo Lake Celeron J3455 processor, Quad-core 1.5Ghz;
- High temp. 5-wires precision resistive touchscreen, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC 12V, optional wide voltage DC 9~36V power input;
- IO: 2*GLAN, 4*USB3.0, 3*COM (DB9), 2*HDMI;
- Intel PTT TPM2.0, support Windows 11;
- Fan-less & Slim design, Panel mount, VESA, Front IP65 protection.

Specification

Hardware & System	BIOS	SPI AMI EET BIOS
	CPU	Intel Apollo Lake J3455, 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 UHD 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/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
	Touch controller	EETI
	Special treatment	PET film laminated, flat design
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

DIMENSIONAL DRAWING:TPC-DRS185

Dimension



DIMENSIONS IN MILLIMETERS

TAICEM
 DATE:2022.01.27
 REV:A Unit:mm

Ordering info.

Part no.	Description
TPC-DRS185HA1	18.5", 1920 * 1080, Celeron J3455 , Quad-core 1.5Ghz, Resistive touch, 2*GLAN, 4*USB3.0, 3*COM, 2*HDMI, DC 12V, PSU
TPC-DRS185HA1W	18.5", 1920 * 1080, Celeron J3455 , Quad-core 1.5Ghz, Resistive touch, 2*GLAN, 4*USB3.0, 3*COM, 2*HDMI, DC 9~36V, No PSU by default
Memory	SO-DIMM, DDR3L, 4GB/8GB Memory
Storage	M.2 SSD: 128GB/256GB/512GB
Wireless Modules	Wi-Fi module, with Antenna (M.2 interface) Wi-Fi with BT integrated module, with Antenna (M.2 interface) All network 4G/LTE module, With Antenna (M.2 interface) 5G module, with Antenna (M.2 interface)
Power supply	Optional PSU for TPC-DRS185HA1W
SIM Card module	SIM Card slot for 3G/4G/5G Wireless function

Packing List

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