

# TPC-SC170A

17.0" Full IP66 Stainless Steel Panel PC

Version: 3.0



## Features

- High-strength 304 stainless steel, Optional 316/201 type material;
- Low power, Intel Apollo Lake J3455, Quad-core 1.5Ghz processor;
- 17.0" LCD, 1280 \* 1024, True flat and fan-less design, Full IP66 protection;
- Multi-points (Max. up to 10 points) Pcap. Touch, EETI touch controller;
- 8x Full and reliable M12 water-proof aviation IO connector;
- 4x USB, 1x RS232, 1x GLAN, 1x DC, 1x COM/GLAN (Optional);
- Flexible & quick customize, support Connector & cable customization.

## Specification

<b>Hardware &amp; System</b>	BIOS	SPI AMI EEI BIOS
	CPU	Intel Apollo Lake J3455, Quad-core 1.5Ghz, burst to 2.30Ghz
	Memory	SO-DIMM, DDR3, max. up to 8GB
	Storage	1*mSATA (Optional support 1* 2.5" SATA)
	Graphic	Intel HD Graphic 500
	Network	2* Intel I211AT (Optional 3G/4G/Wi-Fi)
	Audio	On-board Realtek ACL 269 audio controller
	Expansion	1* Full size Mini-PCIe slot
	Watch dog	0~256 seconds programmable
	OS	Win10, Linux
	<b>IO interface</b>	IO connector & cables
Ethernet		1x RJ45, 10/100/1000 Mbps
COM		1x RS232 (Optional RS485)
USB		4x USB
Power		1x DC (Optional AC Power)
Optional		1x COM or 1 GLAN
<b>LCD Display</b>	Size/Type	17.0" TFT LCD
	Resolution	1280 * 1024 (SXGA)
	Brightness	250 nits
	Backlit & MTBF	LED backlit & 30 000hours
	Display area	337.92 * 270.34
	View angle	85/85/85/85
<b>Touchscreen</b>	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000 times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
<b>Structure</b>	Structure and surface	Full 304 stainless steel material, brushed treatment; Optional 316 or 201 materials
	Mount method	VESA 75/100
	Cooling system	Passive cooling system
	Overall dimension	440.0 * 376.0 * 55.0 (mm)
	Cut-out dimension	N/A
	Net weight	7.5 KG
	IP protection	Full IP66
<b>Power &amp; Environmental</b>	Operating temp.	0 ~ +50°C
	Storage temp.	-20 ~ +60°C

**Full IP66 Touch Panel PC**
**TPC-SC170A**

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 wide voltage 9 ~ 36V)
Power consumption	Around 35W
EMC	CE/FCC Class A

## Dimension

DIMENSIONAL DRAWING:TPC-SC170

DIMENSIONS IN MILLIMETERS

DATE:2020.04.14  
REV:A Unit:mm

## Ordering info.

Part no.	Description
TPC-SC170A1	17.0" Full IP66 Stainless Steel Panel PC, 1280 * 1024, Intel Apollo Lake J3455, Pcap. touch, 1*GLAN, 4*USB, 1*COM, 1*DC, 1* COM or GLAN
TDDR3- <u>2/4/8</u> GB1	Memory: SO-DIMM, DDR3, <u>2GB/4GB/8GB</u> Memory
TMSATA- <u>32/64/128/256/512</u> GB1	mSATA SSD: <u>32GB/64GB/128GB/256GB/512GB</u>
T25SAS- <u>256/512</u> GB1	2.5" SATA SSD: <u>256GB/512GB</u>
T25SAH- <u>1T/2T/4TB</u> 1	2.5" HDD: <u>1TB/2TB/4TB</u>

## Packing List

- 1x Standard Product with 1x 60W PSU
- 1x 2 meters Ethernet Cable (Or 2x Cables), with one port M12 connector and one port standard RJ45 connector
- 1x 2 meters Power cable, with one port M12 connector and one port standard power connector
- 4x 2 meters USB cable, with one port M12 connector and one port standard USB connector
- 1x 2 meters COM cable (Or 2x Cables), with one port M12 connector and one port DB9 connector