

Technical Doc. :	ST_PTSC121-STW_R010.docx
Equipment:	PTSC121-STW
Revision :	1.0
Date :	Sept 23, 2019



Model: PTSC121-STW - Ubuntu System 12" IP67 Waterproof Stainless Steel Panel PC For Process Control

1. IP67 sealed stainless steel enclosure including I/O, Sealed I/O with cable set included.
2. Industrial LCD panel, wide viewing angle, high nits, true color.
3. Adopt 5 wires resistive touch screen, high precision, durable, anti-interference.
4. Fanless design.
5. High performance motherboard, 7x24 continuous operation.

System	
CPU	Intel® Celeron J1900, quad core, 2.0GHz, fanless
Chipset	Intel ValleyView SSA-CUnit
Memory	2G DDR3 (4G, 8G optional)
Hard Drive Capacity	32G SSD
Hard Drive Optional	SSD: 64G, 128GB, 256GB HDD: 500GB, 1TB
Graphics	CPU Integrated graphics HD Graphics and support 1080p HD photo quality
Audio	Realtek ALC662, High Definition Audio (HD), Line in, Line out
Network	1xRealtek RTL 8111E Gigabit Ethernet controller
Wireless Network	WIFI optional
I/O Interface	3xUSB3.0, 1xCOM RS232 1xRJ45, 1xPOWER DC
Operation System	Support Windows 7/8/10, Linux, Ubuntu, Debian, etc.

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LCD panel	
Panel size	12"
Resolution	1024*768
Aspect ratio	4:3
Support Color	16.7M colors
Brightness (cd/m ²)	400 nits, (1000 nits, sunlight readable optional)
Response time	5ms
Contrast ratio	1000:1
View angle	80°/80°/80°/80° (R/L/U/D)
Touch panel	
Touchscreen Type	5 wire resistive touch
Touch Interface	USB (RS232 optional)
Touch response time	<8ms
Luminousness	90%
Surface Hardness	3H
Working Life	>35 million times
Touch options	(capacitive touch, IR touch optional)
Power Supply	
External Power Supply	AC 100 - 240V
Working voltage	12VDC
Power consumption	≤45W
Enclosure	
Material	stainless steel
Color	Silver
VESA mounting	100x100mm
IP grade	Full IP67 waterproof
Operating Environment	
Temperature Range	operating: -10 to 60°C, storage :-20 to 80°C
Relative humidity	5%~95% @ 40° C, non-condensing
Vibration	5-500 Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis

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Packing Details	
Net weight	5.5kg
Gross weight	7kg
Product Dimension	30.64x23.64x6.5cm
Packing size	43x38x18cm
Accessories	Power adapter, power cord, waterproof RS232/LAN/USB cable
Other	
Mounting (options)	embedded mounting screws wall mounting brackets (optional) desk stand holder (optional)
Warranty	1 year warranty
Certificate	CE, FCC, RoHS

