

21.5 inch Panel PC PhanTAM-821BP

Stainless steel housing



- 21.5" TFT LCD, 1920 x 1080 pixels
- Projected capacitive touch
- Processor: Intel® Celeron® J6412 (2.0 GHz)
- IP66/IP69K
- Type 304 / 316 stainless steel housing
- Fanless cooling system
- Reading angle horizontal 178°, vertical 178°

<https://www.wachendorff-prozesstechnik.de/phantam-821bp>

Description

PhanTAM-8BP - modern design for the highest hygiene standards with Intel® Celeron® J6412 (2.0 GHz).

The PhanTAM-8BP series is based on an Intel® Celeron® J6412 processor (2.0 GHz). This powerful and efficient processor family provides sufficient computing power for even the most demanding applications. The RAM can be expanded to up to 32 GB DDR4, which enables more extensive projects such as SCADA or IIoT monitoring applications. The industrial panel PCs in this series are available in display sizes of 15.6" and 21.5" and feature projected capacitive touch technology. This technology enables multi-touch operation with appropriate support from the operating system. The housing of the entire series is made of type 304 stainless steel, but can also be made of type 316 on request. The enclosure is IP66/IP69K rated with M12 connection options and hygienically designed screws. The unique fanless thermal design of the robust stainless steel housing enables effective temperature control. The PhanTAM IPCs can be optionally equipped with a high brightness LCD and/or optical bonding for an outstanding display, even under the most difficult conditions. In addition, expansion cards for further interfaces or RFID can be integrated.

Product details

Power supply:	9 VDC to 36 VDC
Power consumption:	39,84 W
Display:	21.5 " TFT-LCD
Resolution:	1920 x 1080 pixels
Aspect ratio:	16:9
Brightness:	250 cd/m ² 1000 cd/m ² (optional high-brightness LCD)
Backlight:	50.000 h
Colors:	16,7 M
Contrast:	1000:1 3000:1 (optional high-brightness LCD)
Reading angle:	H: 178° / V: 178° H: 178° / V: 178° (optional high-brightness LCD)
Touch screen:	Projected capacitive touch
Processor:	Intel® Celeron® J6412 (2.0 GHz)
RAM:	1 x 260-pin SO-DIMM up to 32GB DDR4 3200MHz
SSD/HDD:	1 x M.2 B-Key 2242/2280 for SSD (SATA3)

Interfaces:	USB: 1 x M12 8-pin (2 x USB 2.0) with waterproof termination Serial: 1 x M12 8-pin for COM 1 (RS-232/-422/485, standard RS-232) with waterproof termination Ethernet: 1 x M12 8-pin for LAN with waterproof termination Power supply: 1 x M12 3-pin for DC power supply with waterproof termination, 1 x on/off switch on the rear panel
Expansion slots:	1 x full-size mini PCIe slot for 4G/5G 1 x Micro SIM slot 1 x M.2 E-Key 2230 for WiFi/BT module
Housing:	Stainless steel (type 304, optionally 316)
Assembly:	VESA mounting 100 x 100, floor stand / swivel arm (optional)
Protection class:	IP66/IP69K
Weight:	7.88 kg
Dimensions (WxHxD):	540.4 mm x 332.4 mm x 61.9 mm
Ambient conditions:	Operation: 0 °C to +50 °C Storage: -30 °C to +70 °C 10% to 90 % rH, non-condensing.
Certifications:	CE/FCC Class A
Operating systems:	Windows® 10 IoT ENT LTSB Windows® 11
Options:	2 x optional empty M12 connector with waterproof protective cover to select two of the following options: 2 x USB 2.0 1 x USB 3.2 Gen.1 1 x LAN 1 x COM RFID module integrated on the front
Scope of delivery:	Device 1 x M12 power supply unit 1 x M12 USB cable (1x M12 to 2x USB 2.0)
Customs tariff number:	84715000
Manufacturer:	Aplex Technology Inc.

Products Order no.

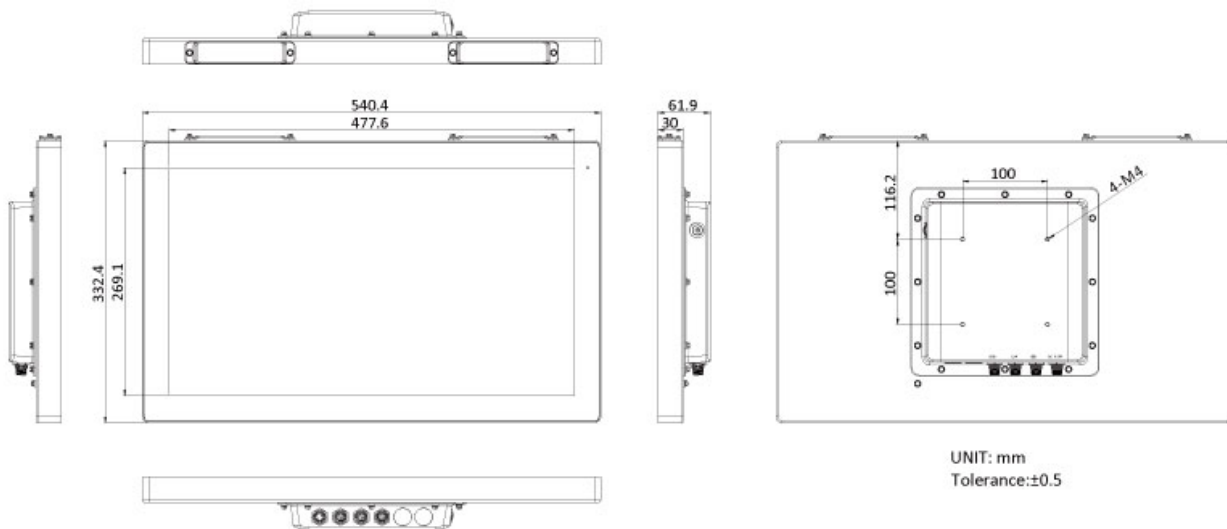
PhanTAM-821BP	21.5" industrial panel PC, stainless steel, projected capacitive touch
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Accessories Order no.

PPC-D-103	VESA stand stainless steel (type 304) 75 x 75 / 100 x 100
PPC-W-101	VESA wall bracket stainless steel (type 304) 75 x 75 / 100 x 100
PPC-W-101S	VESA wall bracket stainless steel (type 316) 75 x 75 / 100 x 100
ETHSWG5C	5-way Ethernet switch, unmanaged
KABM12ETH3	M12-A to RJ45, shielded, L=3m
KABM12ETH5	M12-A to RJ45, shielded, L=5m
KABM12ETH10	M12-A to RJ45, shielded, L=10m

Drawings

Dimensions (mm) and STEP file/viewer:





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