

## 18.5 inch Panel PC ARCHMI-S-818BP



- 18.5" TFT LCD, optional 1920 x 1080 pixels
- Projected capacitive touch
- Processor: Intel® Celeron® J6412 (2.0 GHz)
- Fanless cooling system
- Reading angle : Standard 178(H)/178(V), High Brightness 178 (H)/178(V)

<https://www.wachendorff-prozesstechnik.de/en/ARCHMI-S-818BP>

### Description

The ARCHMI-S-818BP series is based on an Intel® Celeron® J6412 processor with 2.0 GHz.

The industrial panel PCs in the ARCHMI-S-818BP series are equipped with an 18.5-inch TFT LCD display and are available with either a projected capacitive or resistive touchscreen. The projected capacitive touch enables multi-touch operation with a corresponding operating system. If pressure-sensitive operation is required (e.g. with gloves), the resistive touch is the right choice. The front panels are absolutely flush with the die-cast aluminum housing. The front of the housing is IP66 rated. The unique fanless thermal design of the die-cast aluminum housing enables effective temperature control. The ARCHMI-IPC can be optionally equipped with a High Brightness LCD and/or Optical Bonding for an outstanding display, even under difficult conditions. This high-performance yet highly energy-efficient processor family is used, for example, in factory automation, remote data acquisition and in the most common industrial applications.

### Product details

Power supply:	9 VDC to 36 VDC
Power consumption:	60.55 W
Display:	18.5" TFT LCD
Resolution:	1920 x 1080
Aspect ratio:	16:9
Brightness:	350 cd/m <sup>2</sup> 1000 cd/m <sup>2</sup> (optional high-brightness LCD)
Backlight:	50,000 h running time
Colors:	16,7 M
Reading angle:	H: 178° / V: 178° H: 178° / V: 178° (High-Brightness-LCD)
Touch screen:	Projected capacitive touch
Processor:	Intel Celeron J6412 Processor (2.0 GHz)
RAM:	1 x 260-pin SO-DIMM up to 32GB DDR4 3200MHz
SSD/HDD:	1 x M.2 B-Key slot; (Support SATA3; 2242/2280)

Interfaces:	USB: 2 x USB 3.2 type A / 2x USB 2.0 type A Serial: RS-485/422/232 (COM1, BIOS selection, RS-232 by default), 1x DB9 RS-232 Ethernet: 1 x RJ45 type Intel I210AT 1GbE LAN, 1 x RJ45 type Intel I225LM/I226LM 2.5GbE LAN Audio: Line out 3.5 mm jack Power supply: pluggable 3-pin terminal strip On/off switch: optional pluggable 2-pin terminal strip
Expansion slots	1 x Mini PCIe slot 1x M.2 E-Key 2230 for WiFi/Bluetooth module (USB 2.0, PCIe 3.0 x1) 1 x micro SIM card slot
Housing:	Die-cast aluminum
Assembly:	VESA 100 x 100; panel mounting
Protection class:	IP66 on the front
Dimensions (WxHxD):	499.6 mm x 314.6 mm x 82 mm
Weight:	6.85 Kg
Ambient conditions:	Operation: -20 °C to +60 °C Storage: -30 °C to +70 °C 10% to 95 % r.H, non-condensing.
Certifications:	CE/FCC Class A
Operating systems:	Windows® 10 IoT Ent 2021 LTSC Windows® 11(21H2) or later Linux 18.04 or later
Scope of delivery:	Device 1 x power supply unit 1 x mounting material
Customs tariff number:	84715000
Manufacturer:	Aplex Technology Inc.

### Products Order no.

ARCHMI-S-818BP	18.5" industrial panel PC, projected capacitive touch
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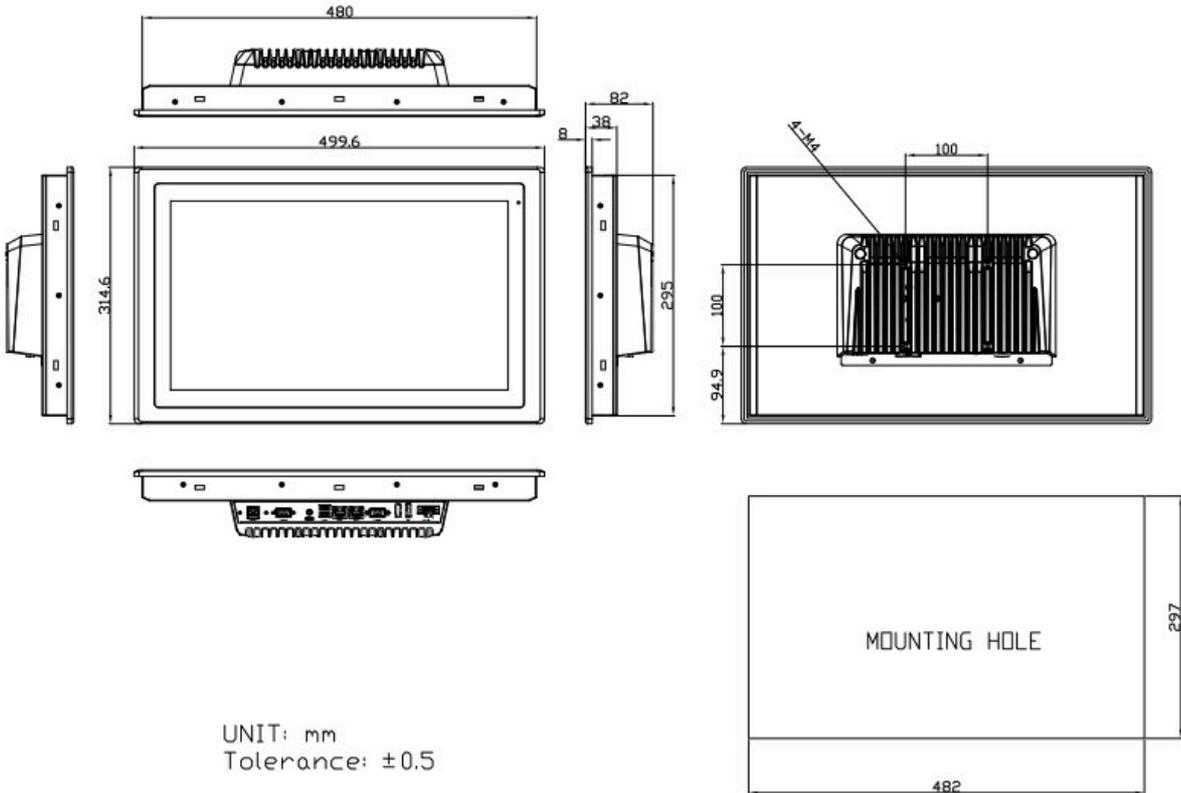
### Accessories Order no.

ETHSWG5C	5-way Ethernet switch, Gigabit, unmanaged
ETHSWG8C1	8-port Ethernet switch, Gigabit, unmanaged

KABETH10	Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m
KABETH11	Patch cable, RJ45 UTP CCA, CAT5e white, 1 m
KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m
IPC_DIO_2P	2-pin connector plug, digital input

**Drawings**

Dimensions (mm) and STEP file/viewer:



UNIT: mm  
Tolerance: ±0.5



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