7-inch industrial Panel-PC with multi-touch function AITRON-807CP

- 7" TFT LCD, 1024 x 600 pixels
- projected capacitive touch
- Processor: Intel N97 processor, Intel Atom x7425E
- Fanless cooling system
- Reading angle horizontal 170°, vertical 170°

https://www.wachendorff-prozesstechnik.de/en/aitron-807cp

Description

The AITRON-8CP series from Aplex combines Intel N97 or Intel Atom x7425E processors with a fanless design and an IP66-certified aluminum housing. Available in display sizes from 7" to 21.5", this series offers a high brightness of up to 1,000 cd/m² and a wide operating temperature range, depending on the display size. The devices have a 7H scratch-resistant, projected capacitive multi-touch surface that enables precise operation. Thanks to the support for DDR5-4800 MHz SO-DIMM memory up to 32 GB and the integration of M.2 slots for SSDs, Wi-Fi/BT modules and LTE/5G connectivity, the AITRON-8CP Panel PCs are flexible and future-proof. The series is designed for demanding industrial environments and is ideal for factory automation, transportation, energy supply, healthcare and outdoor applications where reliability, performance and durability are crucial.

Product details

Power supply:	9 VDC to 36 VDC
Display:	7" TFT LCD
Resolution:	1024 x 600 pixels 1024 x 600 pixels (optional high brightness)
Aspect ratio:	16:10
Brightness:	350 cd/m² 1000 cd/m² (optional high brightness)
Backlight:	30,000 h 30,000 h (optional High Brightness)
Colors:	16.2 M 16.2 M (optional High Brightness)
Reading angle:	H: 170° / V: 170° H: 170° / V: 170° (optional high brightness)
Touch screen:	Projected capacitive touch
Processor:	Intel N97 processor, quad-core, 2.0 GHz Intel Atom x7425E, quad-core, 1.5 GHz
RAM:	1 × DDR5-4800 MHz SO-DIMM, up to 32 GB
SSD/HDD:	1 × M.2 2280 M-Key slot (supports SATA 3.0 and PCIe 3.0 x1, standard: SATA type)

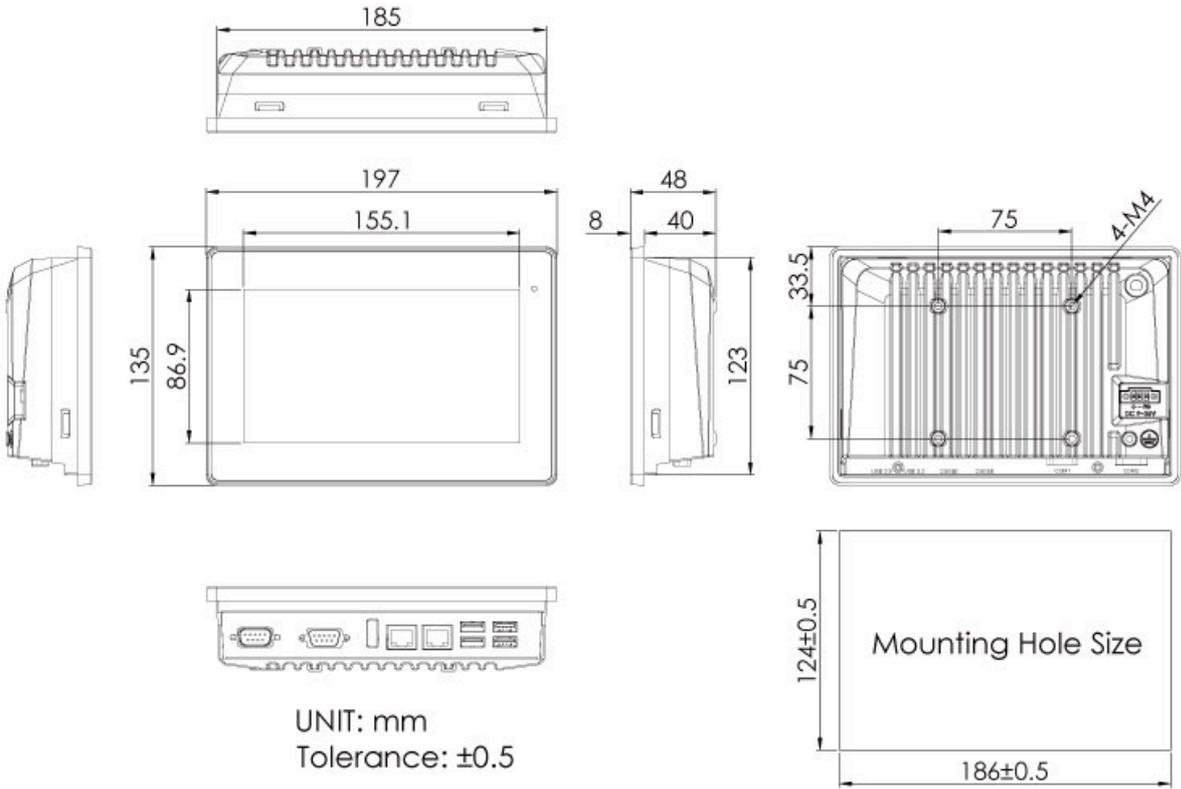|	
Interfaces:	USB: 2 × USB 3.2 Gen1 Type-A, 2 × USB 2.0 Type-A Serial: 1 × DB9, supports RS-232/422/485 (COM1, BIOS selection, standard: RS-232), 1 × DB9, supports RS-232/422/485 (COM2, BIOS selection, standard: RS-232, optional) Ethernet: 2 × RJ-45, supports Intel I226V/IT 2.5 GbE LAN Power supply: 1 x terminal block, supports DC 9 to 36 V Display output: 1 × HDMI 1.4, supports resolutions up to 4096 × 2160 @ 30 Hz
Expansion slots	1 × M.2 2230 E-Key (USB 2.0, PCIe ×1) for optional Wi-Fi/BT module 1 × M.2 3042/3052 B-Key (PCIe ×1, USB 3.2 Gen1, USB 2.0) for optional LTE/5G module 1 × Nano-SIM slot
Housing:	Die-cast aluminum housing
Assembly:	Panel mounting, VESA 100 x 100
Protection class:	IP66-compliant front panel
Dimensions (WxHxD):	197 x 135 x 48 mm
Weight:	1 kg
Ambient conditions:	Operation: Standard: -20 °C to -60 °C, High Brightness: 0 °C to -50 °C Storage: -30 °C to +70 °C 10 % to 95 % at 40 °C, non-condensing
Certifications:	CE/FCC Class A
Operating systems:	Windows 10 IoT Enterprise 2021 LTSC or later Windows 11 (21H2) 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-810BP	10.1" industrial panel PC, projected capacitive touch

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

Drawings

Dimensions (mm):

185

197
155.1
135
86.9

48
8   40
123

75
33.5
75
4-M4

UNIT: mm
Tolerance: ±0.5

124±0.5
Mounting Hole Size
186±0.5