

23.8 inch Panel PC ARCHMI-824BP



- 23.8" TFT LCD, 1920 x 1080 pixels (FHD)
- Projected capacitive touch
- Processor: Intel® Celeron® J6412 (2.0 GHz)
- Fanless cooling system
- Reading angle horizontal 178°, vertical 178°

<https://www.wachendorff-prozesstechnik.de/en/ARCHMI-S-824BP>

Description

The ARCHMI-S-824BP series is based on an Intel® Celeron® J6412 processor with 2.0 GHz.

The industrial panel PCs in the ARCHMI-S-824BP series are equipped with a 23.8-inch TFT LCD display with a projected capacitive touchscreen. The projected capacitive touch enables multi-touch operation with a corresponding operating system. 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 the most common industrial applications.

Product details

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| Power supply: | 9 VDC to 36 VDC |
| Power consumption: | tbd |
| Display: | 23.8" TFT LCD |
| Resolution: | 1920 x 1080 pixels(FHD) |
| Aspect ratio: | 16:9 |
| Brightness: | 250 cd/m ² 1000 cd/m ² (optional high-brightness LCD) |
| Backlight: | 30,000 h running time |
| Colors: | 16,7 M |
| Reading angle: | H: 178° / V: 178° H: 178° / V: 178° (optional 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) |

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| 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): | 640 mm x 395mm x 88 mm |
| Weight: | 9.43 Kg |
| Ambient conditions: | Operation: 0 °C to +50 °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.

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|----------------|---|
| ARCHMI-S-824BP | 23.8" industrial panel PC, projected capacitive touch |
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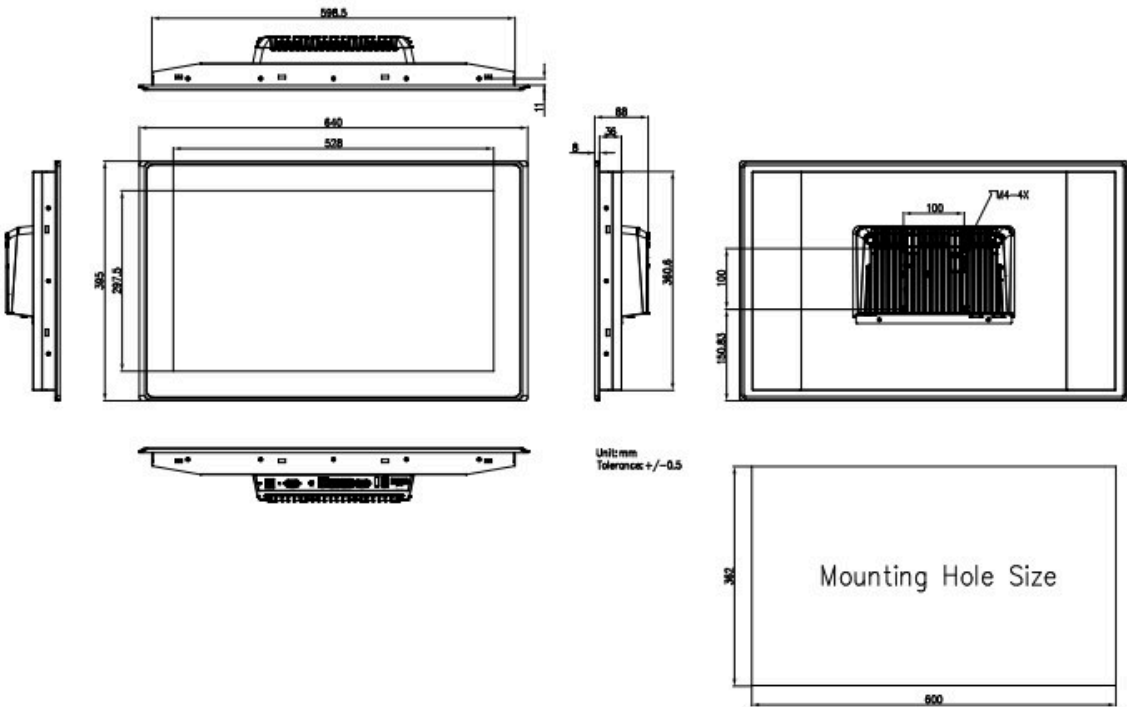
Accessories Order no.

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

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| 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:





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