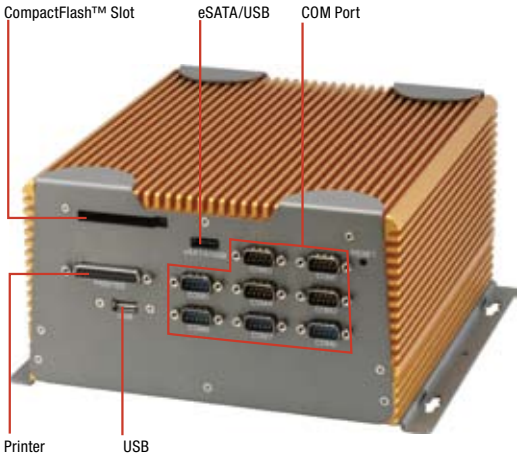
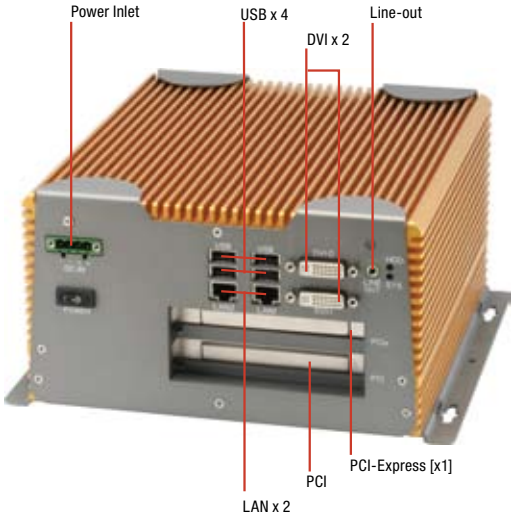
# AEC-6924

Advanced Fanless Embedded Controller With Intel® Core™ 2 Duo Processor






## Features

- **Fanless Design**
- **Intel® Core™ 2 Duo Processor**
- **PCI-Express [x1] Slot x 1, PCI Slot x 1**
- **Wide DC Power Input 9-48V**
- **Support DVI-I x 1, DVI-D x 1**
- **Support RS-232 x 4, RS-232/422/485 x 4**
- **Support eSATA x 1**

PCI Express | Giga LAN | USB 2.0 | Audio | CE FC

## Specifications

| | | | |
|---|---|---|---|
| CPU | | Intel® Core™ 2 Duo Processor | |
| Chipset | | Intel® GS45 + ICH9M | |
| System Memory | | 204-pin DDR3 SODIMM x 2, Max. 8GB | |
| Display Interface | VGA | DB-15 x 1 (1 by Y-cable) | |
| | DVI | DVI-I x 1, DVI-D x 1, shared system memory up to 512MB/ DVMT 5.0 | |
| | Others | — | |
| Storage Device | SSD | Type 2 CompactFlash™ Slot x 1 | |
| | HDD | SATA 3.0 Gb/s HDD bay x 1 | |
| Network | LAN | Gigabit Ethernet | |
| | Wireless | — | |
| Front I/O | USB Port | 1 | |
| | LAN | — | |
| | Serial Port | RS-232 x 4, RS-232/422/485 x 4 | |
| | DIO | — | |
| | Audio | Line-out x 1 | |
| | KB/MS | — | |
| | Others | e-SATA x 1, LPT x 1, Reset button x 1, CompactFlash™ slot x 1 | |
| Rear I/O | USB Port | USB2.0 x 4 | |
| | LAN | RJ-45 x 2 | |
| | Serial Port | — | |
| | DIO | — | |
| | Audio | Line-out x 1 | |
| | KB/MS | — | |
| | Others | DVI-I x 1, DVI-D x 1, Power inlet x 1, System LED x 1, HDD LED x 1 | |
| Expansion | PCIe [x1] | 1 | |
| | PCI | 1 | |
| | Mini Card | 2 | |
| | Mini PCI | 1 | |
| | Others | — | |
| Indicator | Front | — | |
| | Rear | System LED x 1, HDD LED x 1 | |
| Power Requirement | | DC 9-48 V | |
| Power Consumption | | — | |
| System Cooling | | Passive cooling | |
| Mounting | | Wallmount | |
| Operating Temperature | | No Airflow<br>32°F ~ 131°F (0°C ~ 55°C) Wide Temperature CFD with WT RAM x 2 | Ambient with Airflow<br>5°F ~ 149°F (-15°C ~ 65°C) Wide Temperature CFD with WT RAM x 2 |
| Storage Temperature | | -4°F ~ 158°F (-20°C ~ 70°C) | |
| Anti-Vibration | | 5 g rms/ 5 ~ 500Hz/ operation – CFD<br>1 g rms/ 5 ~ 500Hz/ operation – HDD | |
| Anti-Shock | | 50 G peak acceleration (11 msec. duration) – CFD | |
| MTBF | | 30,000 | |
| Certification | EMC | CE/FCC class A | |
| | Safety | — | |
| Dimension (W x H x D) | | 8.43" (W) x 4.73" (H) x 9.36" (D) (214mm x 120.2mm x 237.8mm) | |
| Gross Weight | | 15.4 lb (7 Kg) | |



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Note: All specifications are subject to change without notice.

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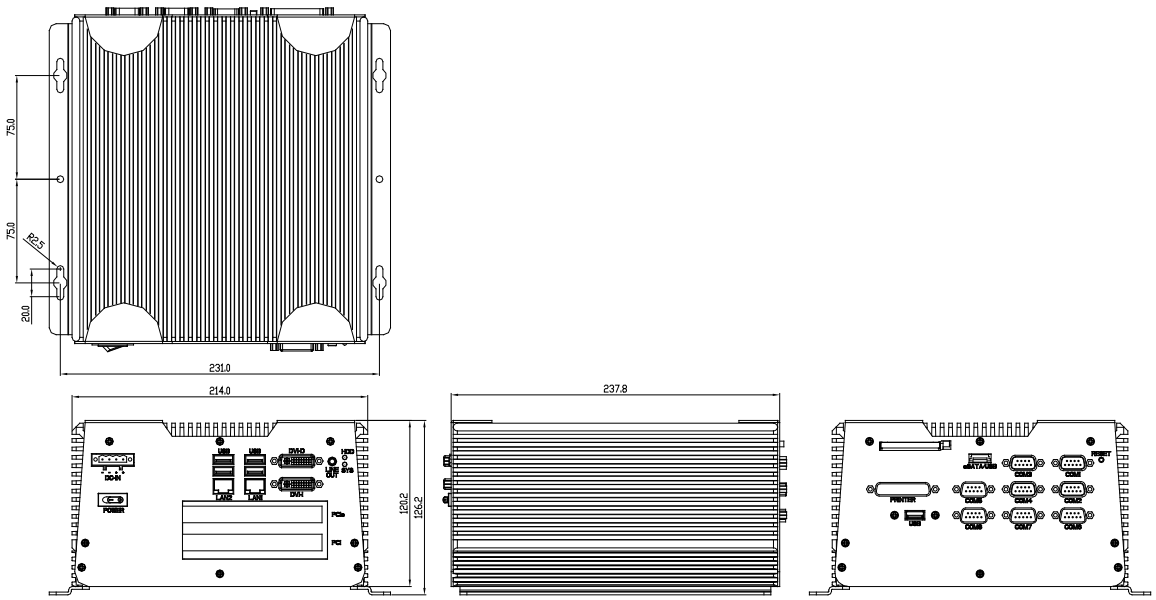
## Dimension

Unit: mm




## Ordering Information

- **TF-AEC-6924-A1-1010**
  Embedded Controller, Intel® SP9300, 1 PCI-Express [x1], 1 PCI, DC 9-48V, 2GB RAM
- **TF-AEC-6924-A2-1010**
  Embedded Controller, Intel® Celeron® M 1.2GHz (723), 1 PCI-Express [x1], 1 PCI, DC 9-48V, 2GB RAM