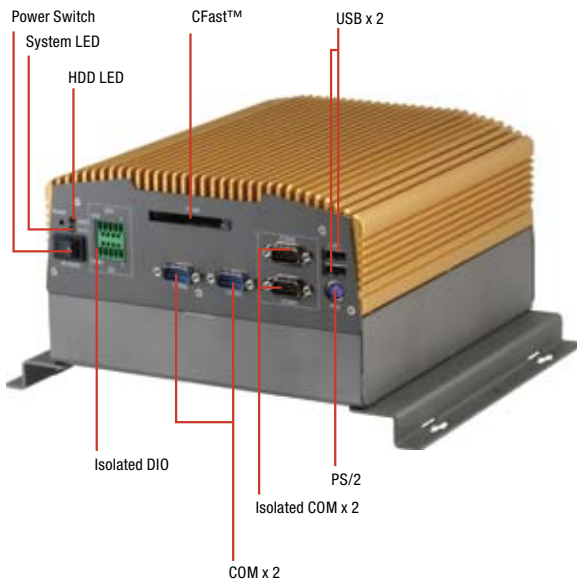
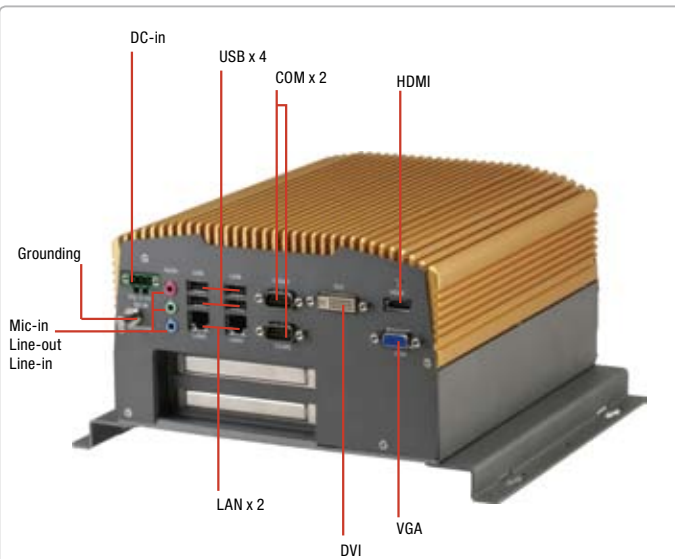


# AEC-6967

Advanced Fanless Embedded Controller With Intel® 2nd Generation Core™ i Series Processors And PCI-Express Expansion



## Features

- Intel® 2nd Generation Core™ i Processors
- Dual-Channel SODIMM DDR3 1066/1333/1600 Memory, Max. 16GB(Support DDR3-L in Intel® Core™ i7/i5)
- Intel® Integrated Graphics Engine Supports Dual View by VGA, DVI, HDMI, LVDS
- COM x 6 (2.5KV Isolation x 2), 2.5KV Isolated DIO x 1
- Mini Card Slot x 2, CFast™ x 1
- PCI-Express[x4] x 2 or PCI x 2 or PCI x 1 + PCI-Express[x4] x 1
- TPM x 1 Module (Optional)
- Wide Temperature Support with Intel® Core™ i7-2610UE Processor



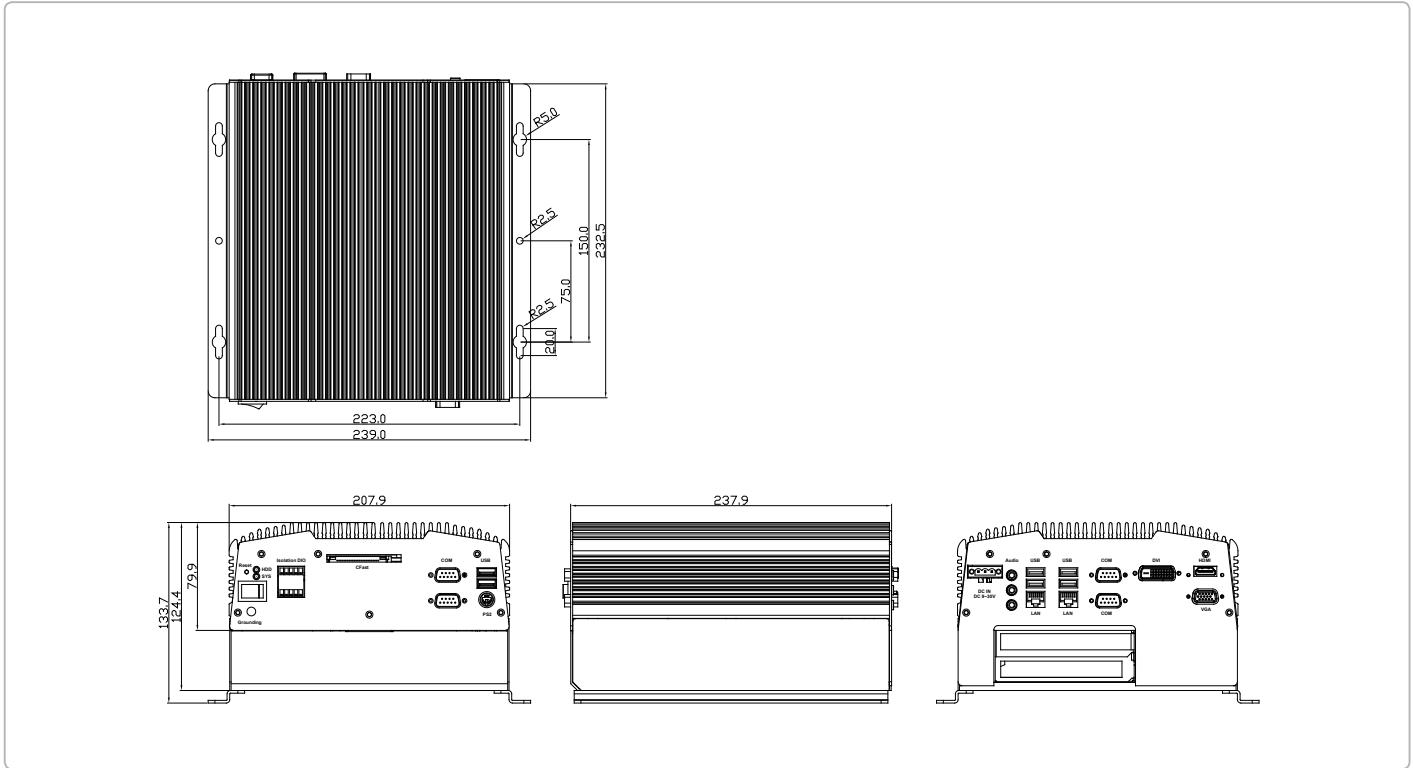
## Specifications

|                   |  |   |
|-------------------|--|---|
| CPU               | Intel® 2nd generation Core™ i Series Processors    |   |
| Chipset           | Intel® QM67 or Intel® QM77                         |   |
| System Memory     | DDR3 SODIMM x 2, support DDR3 1066/1333, Max. 16GB |   |
| Display Interface | VGA  | DB-15 x 1, shared system memory above 512MB/ DVMT 5.0   |
|                   | DVI  | DVI-D x 1 (optional 2nd DVI), support 1920 x 1200 @ 60 Hz                                       |
|                   | HDMI   | HDMI x 1, support 1920 x 1200 @ 60 Hz   |
|                   | Others   | Dual-channel 24-bit LVDS (optional extension kit)   |
| Storage Device    | SSD  | CFast™ slot   |
|                   | HDD  | SATA 6.0Gb/s x 2 (SATA 0, 2), SATA 3.0Gb/s x 2 (SATA 2, 3), Support RAID 0,1,5,10               |
| Network           | LAN  | Gigabit Ethernet  |
|                   | Wireless   | Optional by Mini-card   |
| Front I/O         | USB Port   | USB2.0 x 2  |
|                   | LAN  | —   |
|                   | Serial Port  | RS-232 x 1, RS-232/422/485 x 1, both support optional 2.5KV Isolation optional extra RS-232 x 6 |
|                   | DIO  | Optional 2.5KV Isolation protection   |
|                   | Audio  | 4-in + 4-out  |
|                   | KB/MS  | PS/2 x 1  |
|                   | Others   | Power button x 1, Reset button x 1  |
|                   | USB Port   | USB2.0 x 4  |
| Rear I/O          | LAN  | RJ-45 x 2   |
|                   | Serial Port  | RS-232 x 2  |
|                   | DIO  | —   |
|                   | Audio  | Mic-in, Line-in, Line-out   |
|                   | KB/MS  | —   |
|                   | Others   | Power input x 1   |
| Expansion         | PCIe [x4]  | 2 (optional)  |
|                   | PCI  | 2 (optional, limited 2.1A@12V)  |
|                   | Mini Card  | 2 (optional)  |
|                   | Mini PCI   | —   |
|                   | Others   | SIM x 1 (optional)  |
| Indicator         | Front  | System LED x 1, HDD LED x 1   |
|                   | Rear   | —   |
| Power Requirement | DC-in 9~30V input, optional 100~240V               |   |
| Power Consumption | Intel® Core™ i7-2610UE<br>3.46A@9V or 1A@30V       |   |

# AEC-6967

## Dimension

Unit: mm



|                       |  |  |
|-----------------------|--|--|
| System Cooling        | Passive Cooling  |  |
| Mounting              | Wallmount  |  |
| Operating Temperature | Without Airflow (not include riser card)   | Ambient with Airflow (not include riser card)  |
|                       | -4°F ~ 122°F (-20°C ~ 50°C) -35W TDP CPU<br>-4°F ~ 149°F (-20°C ~ 65°C) -17W TDP CPU                 | -4°F ~ 140°F (-20°C ~ 60°C) -35W TDP CPU<br>-4°F ~ 167°F (-20°C ~ 75°C) -17W TDP CPU |
| Storage Temperature   | -4°F ~ 158°F (-20°C ~ 70°C)  |  |
| Anti-Vibration        | 3 g rms/ 5 ~ 500Hz/ operation – CFast™<br>1 g rms/ 5 ~ 500Hz/ operation – HDD                        |  |
| Anti-Shock            | 50 G peak acceleration (11 msec. duration) – CFD<br>20 G peak acceleration (11 msec. duration) – HDD |  |
| MTBF                  | 43000 hours  |  |
| Certification         | EMC  | CE/FCC Class A   |
|                       | Safety   | —  |
| Dimension (W x H x D) | 8.19" x 4.02" x 9.37" (208mm x 102mm x 238mm)  |  |
| Gross Weight          | —  |  |
| Note                  | Windows® XP Embedded, Windows® XP, Windows® 7, Linux Fedora 10 Support                               |  |

## Optional Accessories

- **1757912001**  
Power Adapter (120W), Output: DC 19V
- **1757908400**  
Power Adapter (84W), Output: DC 12V
- **1702031830**  
Power Cord (US Type)
- **1702031831**  
Power Cord (European Type)
- **1702031810**  
Power Cord (Japanese Type)

## Ordering Information

| Part Number      | CPU                                | RAM | LAN | USB | RS-232 | Isolated RS-232 | Isolated RS-232/422/485 | Isolated DIO | Storage              | Display                        | Expansion                            | Mounting  | Power    | Temp.                      |
|------------------|------------------------------------|-----|-----|-----|--------|-----------------|-------------------------|--------------|----------------------|--------------------------------|--------------------------------------|-----------|----------|----------------------------|
| AEC-6967-A1-1010 | Intel® Core™ i7-2610UE<br>- 1.5GHz | 4GB | 2   | 6   | 4      | 1               | 1                       | 8 Channel    | CFast x 1<br>HDD x 1 | HDMI x 1<br>DVI x 1<br>VGA x 1 | Mini Card x 2<br>PCI x 1<br>PCIe x 1 | Wallmount | DC 9-30V | -20°C ~ 65°C (w/o airflow) |
| AEC-6967-A2-1010 | Intel® Core™ i7-2610UE<br>- 1.5GHz | 4GB | 2   | 6   | 4      | 1               | 1                       | 8 Channel    | CFast x 1<br>HDD x 1 | HDMI x 1<br>DVI x 1<br>VGA x 1 | Mini Card x 2<br>PCI x 2             | Wallmount | DC 9-30V | -20°C ~ 65°C (w/o airflow) |
| AEC-6967-A3-1010 | Intel® Core™ i3-2310E<br>- 2.1GHz  | 4GB | 2   | 6   | 4      | 1               | 1                       | 8 Channel    | CFast x 1<br>HDD x 1 | HDMI x 1<br>DVI x 1<br>VGA x 1 | Mini Card x 2<br>PCI x 1<br>PCIe x 1 | Wallmount | DC 9-30V | -20°C ~ 50°C (w/o airflow) |
| AEC-6967-A4-1010 | Intel® Core™ i3-2310E<br>- 2.1GHz  | 4GB | 2   | 6   | 4      | 1               | 1                       | 8 Channel    | CFast x 1<br>HDD x 1 | HDMI x 1<br>DVI x 1<br>VGA x 1 | Mini Card x 2<br>PCI x 2             | Wallmount | DC 9-30V | -20°C ~ 50°C (w/o airflow) |
| AEC-6967-A5-1010 | Intel® Core™ i7-2610UE<br>- 1.5GHz | 4GB | 2   | 6   | 4      | 1               | 1                       | 8 Channel    | CFast x 1<br>HDD x 1 | HDMI x 1<br>DVI x 1<br>VGA x 1 | Mini Card x 2<br>PCI x 2             | Wallmount | DC 9-30V | -20°C ~ 65°C (w/o airflow) |