

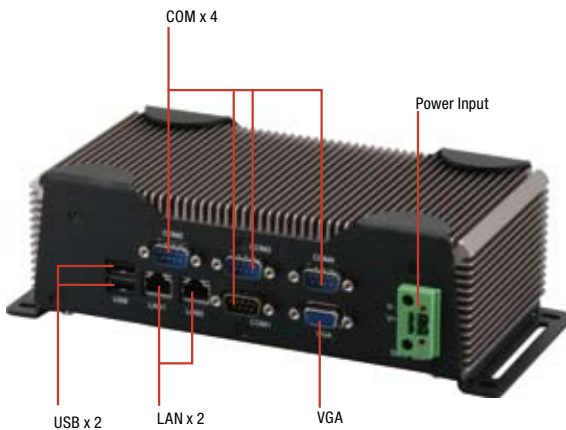
AEC-6613

Fanless Embedded Controller with Intel® NM10 Chipset

Front View



Rear View



Features

- Intel® Atom™ D2550 Processor
- Intel® NM10 Express Chipset
- Intel® GMA 3650 Integrated Graphic Engine
- COM x 4
- USB2.0 x 4
- Dual Gigabit Ethernet LAN
- VGA Output
- Fanless System Design
- Optional DVI-D
- AAEON's Hi-Safe Support



| | | | |
|-----------------------|--|---|--|
| Rear I/O | USB Port | USB 2.0 x 2 | |
| | LAN | RJ-45 x 2 | |
| | Serial Port | RS-232 x 3 (optional extra 2), RS-232/422/485 x 1 | |
| | DIO | — | |
| | Audio | — | |
| | KB/MS | — | |
| Expansion | Others | Power input x 1 | |
| | PCIe [x1] | — | |
| | PCI | — | |
| | Mini Card | 1 | |
| Indicator | Mini PCI | — | |
| | Others | — | |
| Power Requirement | Front | Power LED x 1, Hard Disk Drive active LED x 1 | |
| | Rear | — | |
| Power Consumption | DC-in 12V, with DC jack lockable, DC 9 ~ 30V with 3-pin terminal block | Intel® Atom™ D2550 1.86GHz 0.5A@30V | |
| System Cooling | Passive | | |
| Mounting | Wallmount | | |
| Operating Temperature | Ambient with Airflow: | | No Airflow: |
| | 5°F ~ 131°F (-15°C ~ 55°C) - (HDD) 5°F ~ 140°F (-15°C ~ 60°C) - (CFast™ Card) | | 5°F ~ 122°F (-15°C ~ 50°C) - (HDD) 5°F ~ 131°F (-15°C ~ 55°C) - (CFast™ Card) |
| Storage Temperature | -4°F ~ 158°F (-20°C ~ 70°C) | | |
| Anti-Vibration | 5g rms / 5 ~ 500Hz / operation – CFast™ Card | | |
| | 1g rms / 5~ 500Hz / operation – HDD | | |
| Anti-Shock | 50 G peak acceleration (11 msec. duration) – CFast™ Card 20 G peak acceleration (11 msec. duration) – HDD | | |
| MTBF | 56,000 | | |
| Certification | EMC | CE /FCC Class A | |
| | Safety | — | |
| Dimension (W x H x D) | 8.35" (W) x 3.1" (H) x 2.25" (D) (212.15mm x 78.88mm x 107mm) | | |
| Gross Weight | 8.38 lb (3.8 Kg) | | |
| Net Weight | 4.75 lb (2.76 Kg) | | |
| Note | Windows® 7, Linux Fedora, Windows® XP (D2550B3 Only) | | |

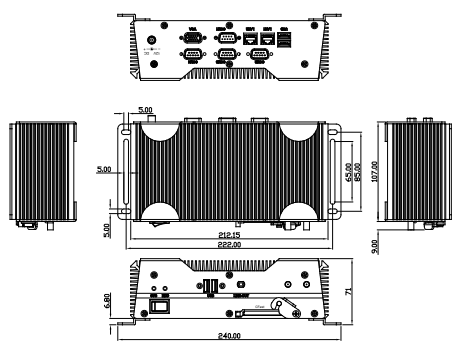
Specifications

| | | |
|-------------------|------------------------------------|--|
| CPU | Intel® Atom™ D2550 1.86GHz | |
| Chipset | Intel® NM10 | |
| System Memory | DDR3 800/1066 SODIMM x 1, Max. 4GB | |
| Display Interface | VGA | DB-15 x 1 |
| | DVI | DVI-D x 1(For A3/A4/A3M/A4M) |
| | Others | — |
| | | |
| Storage Device | SSD | CFast™ Slot x 1 (w/Cover protection) |
| | HDD | 2.5" SATA HDD bay x 1 (AEC-6613-A2/AEC6613-A2M) |
| Network | LAN | Gigabit Ethernet, RJ-45 x 2 |
| | Wireless | Optional by mini-card |
| Front I/O | USB Port | USB2.0 x 2 |
| | LAN | — |
| | Serial Port | — |
| | DIO | — |
| | Audio | Line-out x 1 |
| | KB/MS | — |
| | Others | Power ON/OFF Switch x 1, Power LED x 1, HDD LED x 1 CFast™ slot x 1, antenna hole x 2 |
| | | |

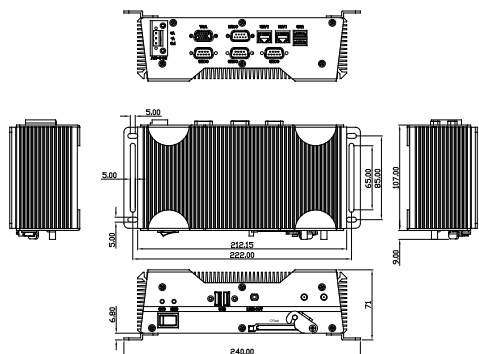
AEC-6613

Dimension

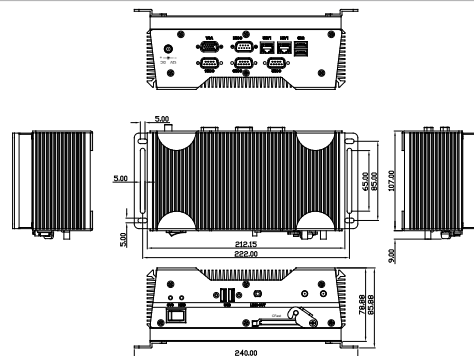
Unit: mm



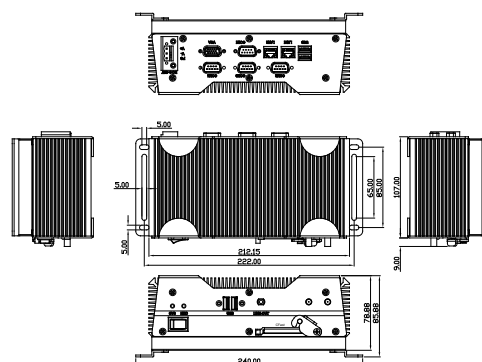
AEC-6613-A1



AEC-6613-A1M



AEC-6613-A2



AEC-6613-A2M

Ordering Information

| Part Number | CPU | RAM | LAN | USB | RS-232 | RS-232/422/485 | AUDIO | Storage | Accessory Cables | Display | Expansion | Mounting | Power | Temp. |
|----------------------|---|-----|-----|-----|--------|----------------|--------------|-------------------------------|------------------|----------------------|---------------|---|----------|---|
| TF-AEC-6613-A1-1210 | Intel® Atom™ D2550 (B3) 1.86GHz processor | - | 2 | 4 | 3 | 1 | Line-out x 1 | CFast™ kit x 1 | - | VGA x 1 | Mini Card x 1 | Wall mount Din Rail Mount Kit (Option) | DC 12V | -15°C ~ 55°C with CFast™ (w/o air) |
| TF-AEC-6613-A1M-1210 | Intel® Atom™ D2550 (B3) 1.86GHz processor | - | 2 | 4 | 3 | 1 | Line-out x 1 | CFast™ kit x 1 | - | VGA x 1 | Mini Card x 1 | Wall mount Din Rail Mount Kit (Option) | DC 9-30V | -15°C ~ 55°C with CFast™ (w/o air) |
| TF-AEC-6613-A2-1210 | Intel® Atom™ D2550 (B3) 1.86GHz processor | - | 2 | 4 | 3 | 1 | Line-out x 1 | CFast™ kit x 1 HDD kit x 1 | - | VGA x 1 | Mini Card x 1 | Wall mount Din Rail Mount Kit (Option) | DC 12V | -15°C ~ 55°C with CFast™ (w/o air) -15°C ~ 50°C with HDD (w/o air) |
| TF-AEC-6613-A2M-1210 | Intel® Atom™ D2550 (B3) 1.86GHz processor | - | 2 | 4 | 3 | 1 | Line-out x 1 | CFast™ kit x 1 HDD kit x 1 | - | VGA x 1 | Mini Card x 1 | Wall mount Din Rail Mount Kit (Option) | DC 9-30V | -15°C ~ 55°C with CFast™ (w/o air) -15°C ~ 50°C with HDD (w/o air) |
| TF-AEC-6613-A3-1210 | Intel® Atom™ D2550 (B3) 1.86GHz processor | - | 2 | 4 | 3 | 1 | Line-out x 1 | CFast™ kit x 1 | - | VGA x 1 DVI-D x 1 | Mini Card x 1 | Wall mount Din Rail Mount Kit (Option) | DC 12V | -15°C ~ 55°C with CFast™ (w/o air) |
| TF-AEC-6613-A3M-1210 | Intel® Atom™ D2550 (B3) 1.86GHz processor | - | 2 | 4 | 3 | 1 | Line-out x 1 | CFast™ kit x 1 | - | VGA x 1 DVI-D x 1 | Mini Card x 1 | Wall mount Din Rail Mount Kit (Option) | DC 9-30V | -15°C ~ 55°C with CFast™ (w/o air) |
| TF-AEC-6613-A4-1210 | Intel® Atom™ D2550 (B3) 1.86GHz processor | - | 2 | 4 | 3 | 1 | Line-out x 1 | CFast™ kit x 1 HDD kit x 1 | - | VGA x 1 DVI-D x 1 | Mini Card x 1 | Wall mount Din Rail Mount Kit (Option) | DC 12V | -15°C ~ 55°C with CFast™ (w/o air) -15°C ~ 50°C with HDD (w/o air) |
| TF-AEC-6613-A4M-1210 | Intel® Atom™ D2550 (B3) 1.86GHz processor | - | 2 | 4 | 3 | 1 | Line-out x 1 | CFast™ kit x 1 HDD kit x 1 | - | VGA x 1 DVI-D x 1 | Mini Card x 1 | Wall mount Din Rail Mount Kit (Option) | DC 9-30V | -15°C ~ 55°C with CFast™ (w/o air) -15°C ~ 50°C with HDD (w/o air) |

Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- RAM Thermal Pad x 1 (60mm x 25mm x 3mm)
- Phoenix Power Connector x 1
- CD-ROM for Manual (in PDF Format) and Drivers
- AEC-6613

Optional Accessories

- **1757306007** - DC Jack for AEC-6613-A1/A2
Power Adapter, 100/240V, 12V, w/ lockable Connector, 5A, 60W, DC
- **1757908401** - 3 pin for AEC-6613-A1M/A2M
Power Adapter, 84W, 12V
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **9741681003**
Din Rail Mount Kit
- **9741C50W01**
Mini Card (PCIe) 802.11 b/g/n + Bluetooth 3.0
- **9741661300**
I/O Dust Cover Kit