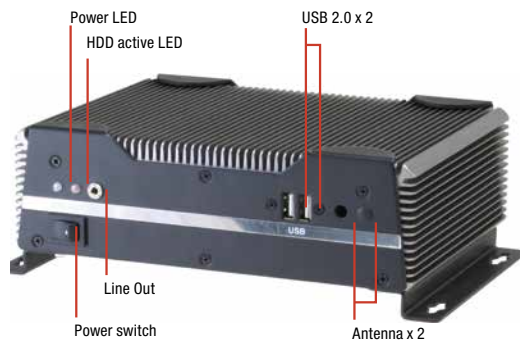
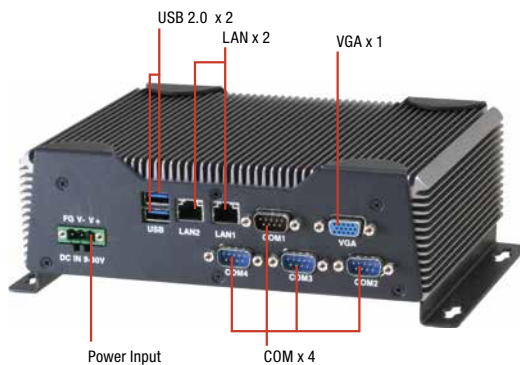


Fanless Embedded Box PC with Intel® QM67 Chipset

Front View



Rear View



Specifications

| | | |
|-------------------|--|---|
| CPU | Intel® Core™ i5-2510E 2.5 GHz Intel® Celeron® -B810 1.6 GHz | |
| Chipset | Intel® QM67 | |
| System Memory | DDR3 1066/1333 MHz SODIMM x 1, up to 8 GB | |
| Display Interface | VGA | DB-15 x 1 |
| | DVI | DVI-D x 1 (for A5/A6/A5M/A6M/A7M) |
| | Others | — |
| Storage Device | SSD | Onboard CFast™ x 1 |
| | HDD | 2.5" SATA HDD bay x 1 |
| Network | LAN | RJ-45 x 2 |
| | Wireless | — |
| Front I/O | USB Port | USB 2.0 x 2 |
| | LAN | — |
| | Serial Port | — |
| | DIO | — |
| | Audio | 1 |
| | KB/MS | — |
| | Others | Power ON/OFF Switch x 1, antenna hole x 2 |
| Rear I/O | USB Port | USB 2.0 x 2 |
| | LAN | RJ-45 x 2 |
| | Serial Port | RS-232 x 3, RS-232/422/485 x 1 |
| | DIO | — |
| | Audio | — |
| | KB/MS | — |
| | Others | Power input x 1, VGA x 1 |

Features

- Intel® Core™ i5 2510E/ Intel® Celeron® B810 Processors
- Intel® QM67 Chipset
- COM x 4
- USB 2.0 x 4
- VGA x 1
- Gigabit Ethernet x 2
- 2.5" SATA Hard Disk Drive Bay
- Fanless Operation
- AAEON's Hi-Safe & Hi-Manager Support (i5 Only)

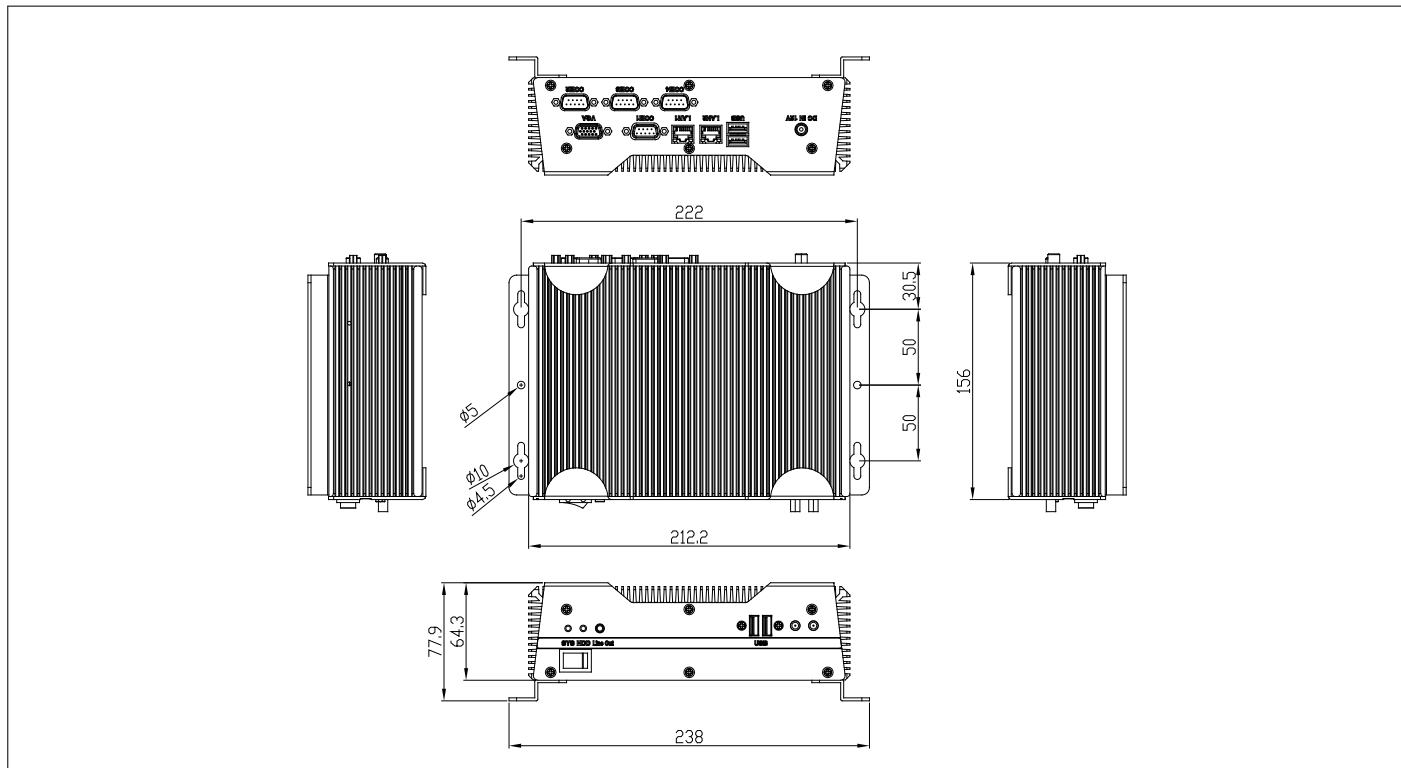


| | | |
|-----------------------|---|-----------------------------------|
| Expansion | PCIe [x1] | — |
| | PCI | — |
| | Mini-Card | Mini-Card x 1 |
| | Mini PCI | — |
| Indicator | Front | Power LED x 1, HDD active LED x 1 |
| | Rear | — |
| Power Requirement | DC-in 12V, with DC jack, lockable (for 6636-A1/A2) or DC 9 ~ 30V with 3-pin terminal block (for 6636-A1M/A2M/A3M) | |
| Power Consumption | Intel® Core™ i5-2510E 2.5 GHz, 3.3A@+12V | |
| System Cooling | Passive | |
| Mounting | Wallmount | |
| Operating Temperature | 14°F ~ 113°F (-10°C ~ 45°C) CFast™ w/o Airflow 14°F ~ 122°F (-10°C ~ 50°C) HDD w/o Airflow | |
| Storage Temperature | -4°F ~ 158°F (-20°C ~ 70°C) | |
| Anti-Vibration | 5 Grms/ 5 ~ 500Hz/ operation – CFast™ 1 Grms/ 5 ~ 500Hz/ operation – HDD | |
| Anti-Shock | 50 G peak acceleration (11 msec. duration) – CFast™ 20 G peak acceleration (11 msec. duration) – HDD | |
| MTBF (Hours) | 49,000 | |
| Certification | EMC | CE /FCC Class A |
| | Safety | — |
| Dimension (W x H x D) | 8.35" (W) x 2.52" (H) x 6.2"(D) (212mm x 64mm x 156mm) | |
| Gross Weight | 7.94 lb (3.6 kg) | |
| OS Support | WIN XP, WIN 7 32/64-BIT, WIN 8.1 32/64-BIT, WIN 10 32/64-BIT, WES 7 32/64-BIT, WES 8 32/64-BIT | |

AEC-6636

Dimension

Unit: mm



Ordering Information

| Part Number | CPU | RAM | LAN | USB | RS-232 | RS-232/422/485 | Storage | Accessory Cables | Display | Expansion | Mounting | Power | Temp. |
|----------------------|---------------------------------|-----|-----|-----|--------|----------------|-------------------------------|------------------|---------|---------------|-----------|----------|---|
| TF-AEC-6636-A1-1010 | Intel® Celeron® B810 1.6 GHz | — | 2 | 4 | 3 | 1 | CFast™ kit x 1 HDD kit x 1 | — | VGA x 1 | Mini-Card x 1 | Wallmount | DC 12V | -10°C ~ 45°C with WT CFast™ (w/o air) -10°C ~ 50°C with WT HDD (w/o air) |
| TF-AEC-6636-A2-1010 | Intel Core™ i5-2510E 2.5 GHz | — | 2 | 4 | 3 | 1 | CFast™ kit x 1 HDD kit x 1 | — | VGA x 1 | Mini-Card x 1 | Wallmount | DC 12V | -10°C ~ 45°C with WT CFast™ (w/o air) -10°C ~ 50°C with WT HDD (w/o air) |
| TF-AEC-6636-A2M-1010 | Intel Core™ i5-2510E 2.5 GHz | — | 2 | 4 | 3 | 1 | CFast™ kit x 1 HDD kit x 1 | — | VGA x 1 | Mini-Card x 1 | Wallmount | DC 9-30V | -10°C ~ 45°C with WT CFast™ (w/o air) -10°C ~ 50°C with WT HDD (w/o air) |

Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- RAM Thermal Pad x 4
(1998F15003 x 1, 1998666630 x 2,
1998666652 x 1)
- Product DVD
- AEC-6636

Optional Accessories

- **1255900842**
Power Adapter (84W), Output: DC 12V -
for AEC-6636-A1/A2/A5/A6
- **1255901202**
Power Adapter (120W), Output: DC 19V -
for AEC-6636-A1M/A2M/A3M/A5M/A6M/A7M
- **9741663703**
Dual 2.5" SATA HDD Kit (Removable)
- **9741663704**
Dual 2.5" SATA HDD Kit
- **974166250A**
3.5 SATA HDD Kit
- **9741663701**
2.5 SATA HDD/DVD Kit w/o DVD-ROM
- **9741663700**
Slim DVD-ROM + 2.5" SATA HDD Kit
- **9741663702**
I/O Dust Cover Kit
- **9741663705**
Fan Kit for A5/A6/A5M/A6M/A7M
- **9741662508**
Fan Kit for A1/A2/A1M/A2M/A3M
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)