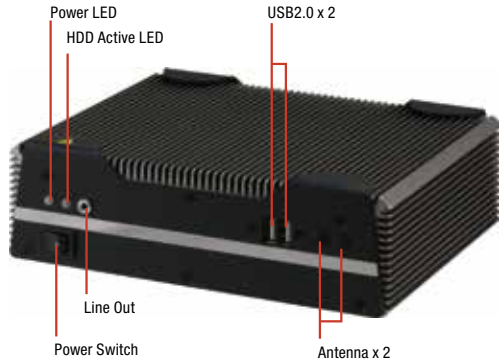


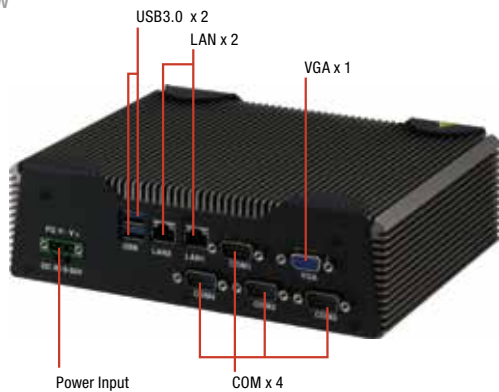
AEC-6637

Fanless Embedded Controller with Intel® QM77 Chipset

Front View



Rear View



Specifications

CPU	Intel® Core™ i7-3610QE 2.3GHz processor Intel® Core™ i5-3610ME 2.7GHz processor
Chipset	Intel® QM77
System Memory	DDR3 1066/1333MHz SODIMM x 1, up to 8GB
Display Interface	VGA DB-15 x 1
	DVI DVI-D x 1(AEC-6637-C1/C2)
	Others —
Storage Device	SSD Onboard CFast™ x 1
	HDD 2.5" SATA HDD bay x 1
Network	LAN Gigabit Ethernet
	Wireless Optional by Mini Card
Front I/O	USB Port USB2.0 x 2
	LAN —
	Serial Port —
	DIO —
	Audio 1
	KB/MS —
	Others Power ON/OFF Switch x 1, antenna hole x 2
	Power Input —
Rear I/O	USB Port USB3.0 x 2
	LAN RJ-45 x 2
	Serial Port RS-232 x 3, RS-232/422/485 x 1
	DIO —
	Audio —
	KB/MS —
Expansion	Others Power input x 1, VGA x 1
	PCIe [x1] —
	PCI —
	Mini Card 1
	Mini PCI —
Indicator	Others —
	Front Power LED x 1, Hard Disk Drive active LED x 1
	Rear —
Power Requirement	DC 9 ~ 30V with 3-pin terminal block

Features

- Intel® 3rd Generation Core™ i7-3610QE, Core™ i5-3610ME Processor
- Intel® QM77 Chipset
- Intel® HD Graphics 4000
- COM x 4
- USB3.0 x 2, USB2.0 x 2
- VGA x 1
- Gigabit Ethernet x 2
- 2.5" SATA 6.0Gb/s Hard Disk Drive Bay
- Fanless Operation
- AAEON's Hi-Safe & Hi-Manager Support

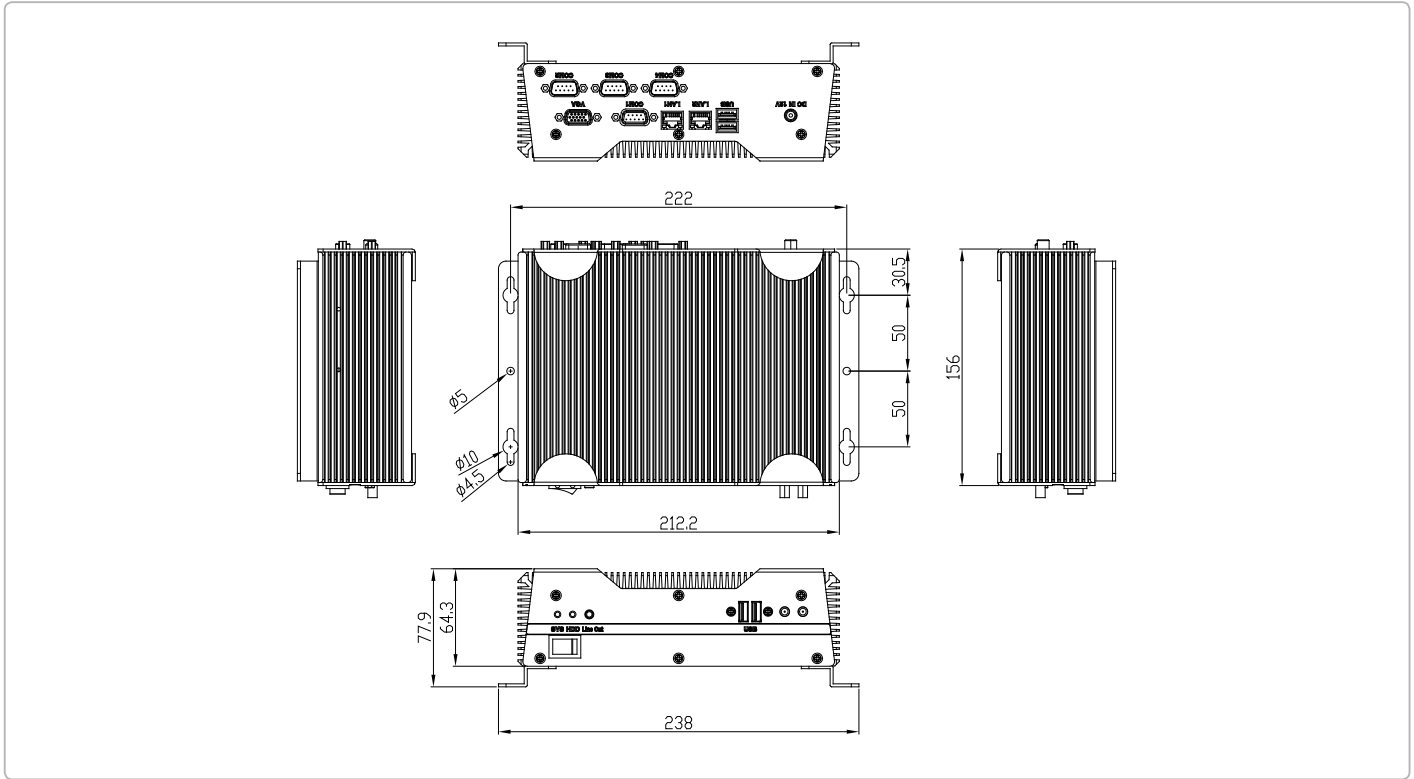


Power Consumption	Intel® Core™ i7-3610QE 2.3GHz processor 2A@30V
System Cooling	Passive
Mounting	Wallmount
Operating Temperature	14°F ~ 113°F (-10°C ~ 45°C) CFast™ w/o Airflow 14°F ~ 122°F (-10°C ~ 50°C) HDD w/o Airflow
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Anti-Vibration	5g rms / 5 ~ 500Hz / operation – CFast™ 1g rms / 5 ~ 500Hz / operation – HDD
Anti-Shock	50 G peak acceleration (11 msec. duration) – CFast™ 20 G peak acceleration (11 msec. duration) – HDD
MTBF	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)
Note	—

AEC-6637

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-6637-A1M-1010	Intel® Core™ i5-3610ME 2.7GHz	-	2	4	3	1	CFast™ x 1 HDD 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)
TF-AEC-6637-A2M-1010	Intel® Core™ i7-3610QE 2.3GHz	-	2	4	3	1	CFast™ x 1 HDD 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)
AEC-6637-C1-1010	Intel® Core™ i7-3610QE 2.3GHz	-	2	4	3	1	CFast™ x 1 HDD x 1	-	VGA x 1, DVI-D 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)
AEC-6637-C2-1010	Intel® Core™ i5-3610ME 2.7GHz	-	2	4	3	1	CFast™ x 1 HDD x 1	-	VGA x 1, DVI-D 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-6637

Optional Accessories

- **1757912001**
Power Adapter (120W), Output: DC 19V
- **1702031830**
Power Cord (US Type)
- **1702031831**
Power Cord (European Type)
- **1702031810**
Power Cord (Japanese Type)
- **9741C50W01**
Mini Card (PCIe) 802.11 b/g/n + Bluetooth 3.0
- **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
- **9741662508**
Fan Kit for AIM/A2M
- **9741663705**
Fan Kit for C1/C2