

# AEC-6637

Fanless Embedded Controller with Intel® QM77 Chipset

11

BOXER Lite Series - Fanless Embedded Controller Solutions

Front View



Rear View



## 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



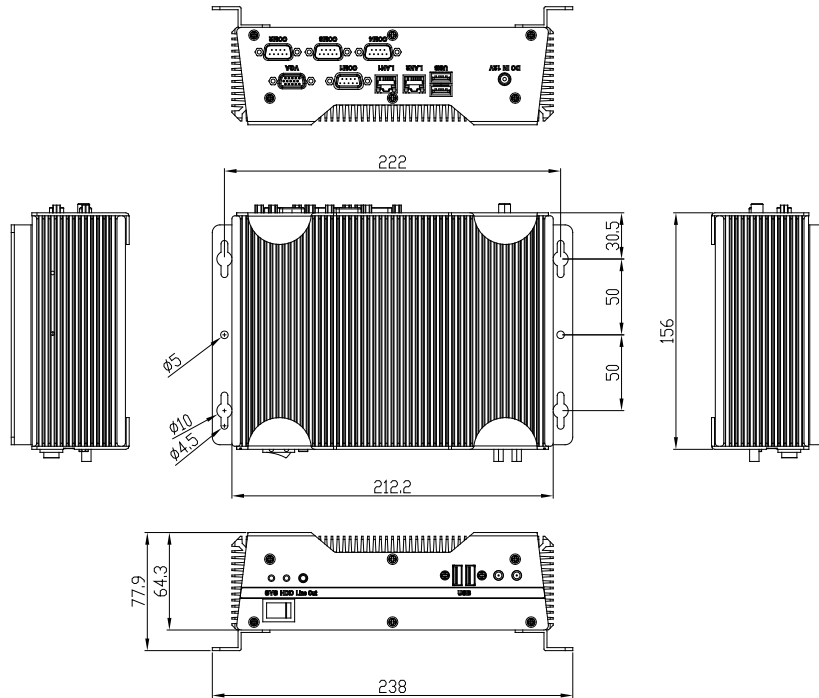
## Specifications

CPU	Intel® Core™ i7-3610QE 2.3GHz processor Intel® Core™ i5-3610ME 2.7GHz processor	
Chipset	Intel® QM77	
System Memory	DDR3 1066/1333 SODIMM x 1, Max. 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
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	Front	Power LED x 1, Hard Disk Drive active LED x 1
	Rear	—
Power Requirement	DC 9 ~ 30V with 3-pin terminal block	
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	-20°C ~ 70°C (-4°F ~ 158°F)	
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	—

# AEC-6637

## Dimension

Unit: mm



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	—

## 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)
- DVD-ROM for Manual (in PDF Format) and Drivers
- 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
- **Dual 2.5" SATA HDD Kit (Removable)**
- **Dual 2.5" SATA HDD Kit**
- **3.5 SATA HDD Kit**
- **2.5 SATA HDD/DVD Kit w/o DVD-ROM**
- **Slim DVD-ROM + 2.5" SATA HDD Kit**
- **I/O Dust Cover Kit**
- **9741662508**  
Fan Kit