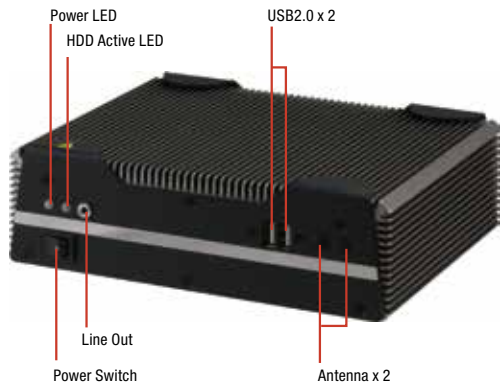


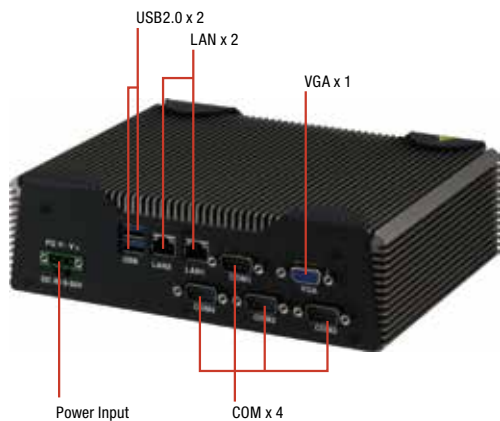
AEC-6636

Fanless Embedded Controller with Intel® QM67 Chipset

Front View



Rear View



Specifications

CPU	Intel® Core™ i7-2710QE 2.1GHz, Intel® Core™ i5-2510E 2.5GHz Intel® Celeron® -B810 1.6GHz	
Chipset	Intel® QM67	
System Memory	DDR3 1066/1333MHz SODIMM x 1, up to 8GB	
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	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	USB2.0 x 2
	LAN	RJ-45 x 2
	Serial Port	RS-232 x 3, RS-232/422/485 x 1
	DIO	—
	Audio	—
	Others	Power input x 1, VGA x 1

Features

- Intel® Core™ i7 2710QE/ i5 2510E/ Intel® Celeron® B810 Processor
- Intel® QM67 Chipset
- COM x 4
- USB2.0 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/i7 Only)

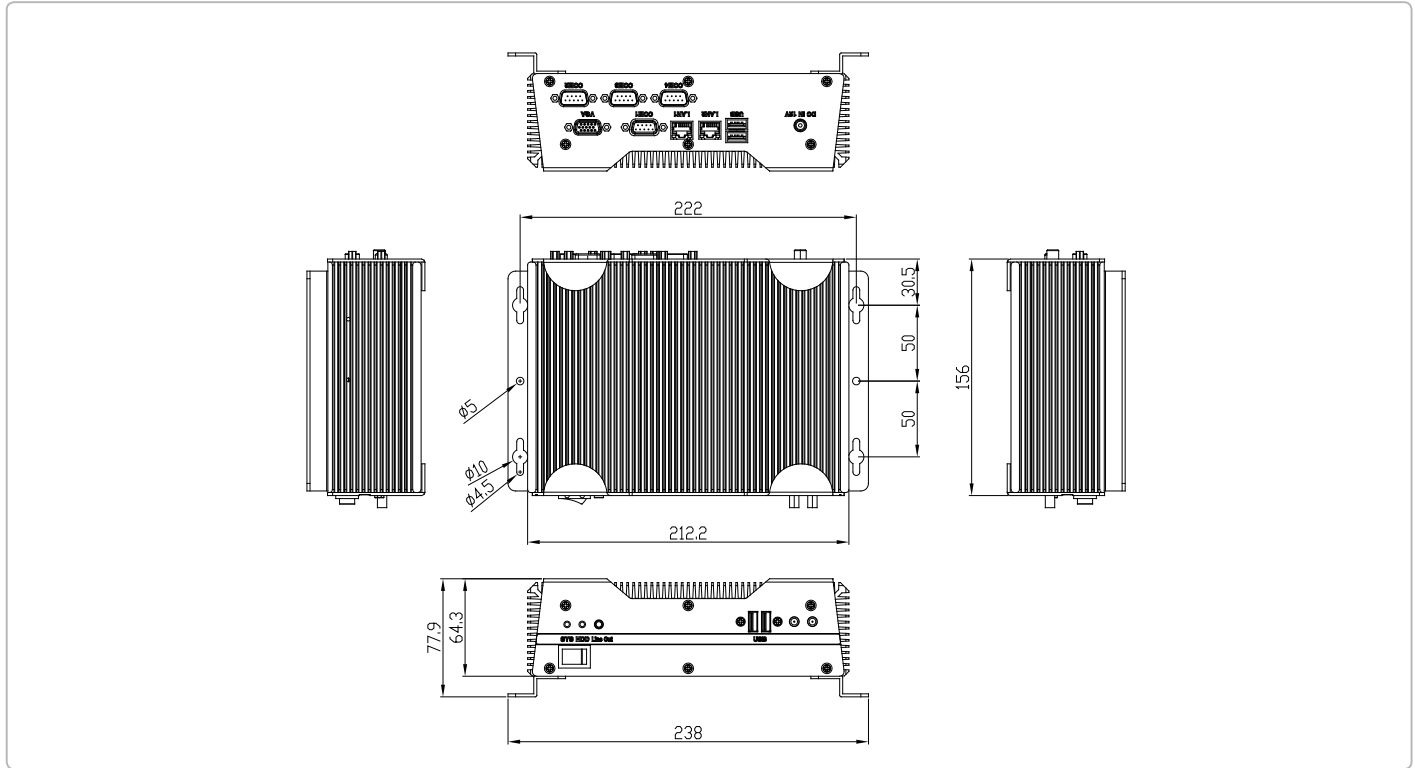


Expansion	PCIe [x1]	—
	PCI	—
	Mini Card	1
	Others	—
Indicator	Front	Power LED x 1, Hard Disk Drive active LED x 1
	Rear	—
Power Requirement	DC-in 12V, with DC jack, lockable (for 6636-A1/A2) or DC 9 ~ 30V with 3-pin terminal block (for 6636-A1M/A2M/A3M)	
Power Consumption	Intel® Core™ i5-2510E 2.5GHz, 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	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-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 1.6GHz	—	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 2.5GHz	—	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-A5-1010	Intel® Celeron® B810 1.6GHz	—	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	VGA x 1 DVI-D 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-A6-1010	Intel Core™ i5-2510E 2.5GHz	—	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	VGA x 1 DVI-D 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-A1M-1010	Intel Celeron® B810 1.6GHz	—	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)
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)
TF-AEC-6636-A3M-1010	Intel Core™ i7-2710QE 2.1 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)
TF-AEC-6636-A5M-1010	Intel Celeron® B810 1.6GHz	—	2	4	3	1	CFast™ kit x 1 HDD kit 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)
TF-AEC-6636-A6M-1010	Intel Core™ i5-2510E 2.5 GHz	—	2	4	3	1	CFast™ kit x 1 HDD kit 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)
TF-AEC-6636-A7M-1010	Intel Core™ i7-2710QE 2.1 GHz	—	2	4	3	1	CFast™ kit x 1 HDD kit 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-6636

Optional Accessories

- **1757908403**
Power Adapter (84W), Output: DC 12V - for AEC-6636-A1/A2/A5/A6
- **1757912001**
Power Adapter (120W), Output: DC 19V - for AEC-6636-A1M/A2M/A3M/A5M/A6M/A7M
- **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
- **9741663705**
Fan Kit for A5/A6/A5M/A6M/A7M
- **9741662508**
Fan Kit for A1/A2/A1M/A2M/A3M