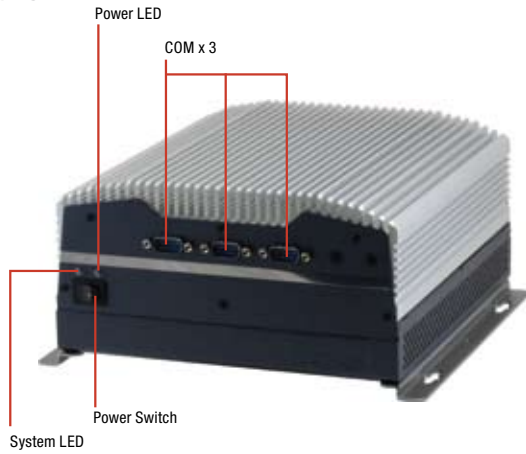


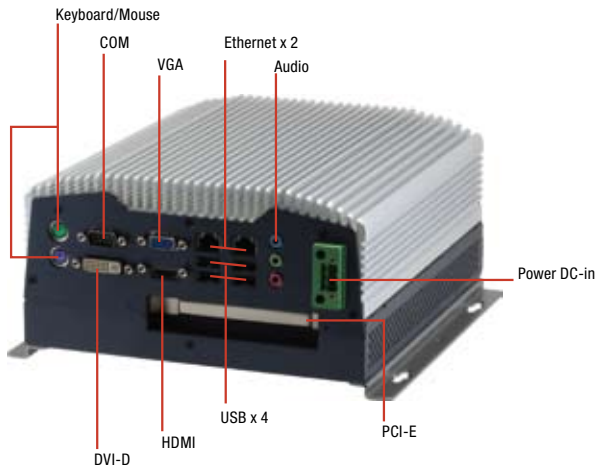
# AEC-6876

Fanless Embedded Controller With Intel® Core™ i7/ i5 /i3 /Celeron® Processor And PCI-Express Expansion

Front View



Rear View



## Features

- Intel® Core™ i7-2710QE/ i5-2510E/ i3-2330E/ Celeron®-B810 Processor
- DDR3 SODIMM x 2, Supports DDR3 1066/1333, Max. 16GB
- Intel® QM67 Chipset
- Gigabit Ethernet x 2
- Intel® Integrated Graphics Engine Supports Dual View by VGA, DVI, HDMI, LVDS
- COM x 4
- PCI x 2, PCI-Express [x4] x 1
- AAEON's Hi-Safe & Hi-Manager Support (i5/i7 CPU Only)



Rear I/O	USB Host	USB2.0 x 4	
	LAN	RJ-45 x 2	
	Serial Port	RS-232/422/485 x 1	
	DIO	—	
	Audio	Mic-in, Line-in, Line-out	
	KB/MS	PS/2 KBx 1+MS x 1	
	Others	Power input x 1	
Expansion	PCIe [x4]	1 (optional)	
	PCI	2 (optional)	
	Mini Card	1	
	Mini PCI	—	
Indicator	Front	Power LED x 1, Hard Disk Drive active LED x 1	
	Rear	—	
Power Requirement	DC-in 12V, with DC jack lockable, DC 9 ~ 30V with 3-pin terminal block		
Power Consumption	—		
System Cooling	Passive Cooling		
Mounting	Wallmount		
Operating Temperature	No Airflow	32°F ~ 122°F (0°C ~ 50°C) Wide	Ambient with Airflow
	Temperature CFD with WT RAM x 2	5°F ~ 131°F (-15°C ~ 55°C) Wide	Temperature CFD with WT RAM x 2
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)		
Anti-Vibration	5 g rms/ 5 ~ 500Hz/ operation – CFD		
	1 g rms/ 5 ~ 500Hz/ operation – HDD		
Anti-Shock	50 G peak acceleration (11 msec. duration) – CFD		
	20 G peak acceleration (11 msec. duration) – HDD		
MTBF	—		
Certification	EMC	CE/FCC class A	
	Safety	—	
Dimension (W x H x D)	8.19"(W) x 4.02"(H) x 9.37"(D) (208mmx 102mm x 238mm)		
Gross Weight	13.2 lb (6 Kg)		
Note	Windows® XP Embedded, Windows® XP, Windows® 7, Linux Fedora 10 Support		

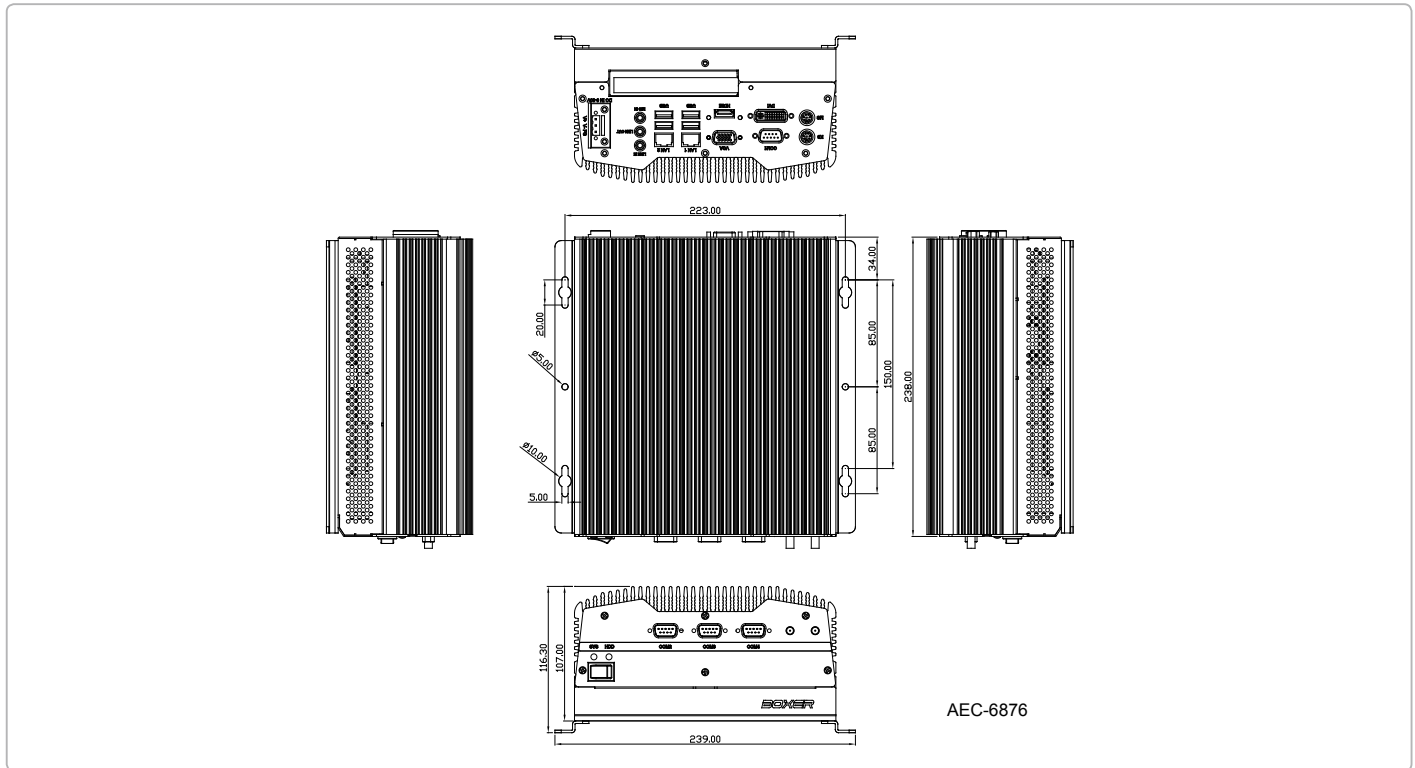
## Specifications

CPU	Intel® Core™ i7-2710QE/ i5-2510E 2.5 GHz/ i3-2330E/ Celeron®-B810 1.6GHz	
Chipset	Intel® QM67	
System Memory	DDR3 SODIMM x 2, supports DDR3 1066/1333, Max. 16GB	
Display Interface	VGA	DB-15 x 1
	DVI	DVI-D x 1
	HDMI	HDMI x 1, support 1920 x 1080 @ 60 Hz
	Others	—
Storage Device	SSD	CFAST™ slot
	HDD	SATA 6.0Gb/s x 1 (SATA 0, 2)
Network	LAN	Gigabit Ethernet, RJ-45 x 2
	Wireless	Optional by mini-card
Front I/O	USB Host	—
	LAN	—
	Serial Port	RS-232 x 3
	DIO	—
	Audio	—
	KB/MS	—
	Others	Power button x 1

# AEC-6876

## Dimension

Unit: mm



AEC-6876

## Ordering Information

Part Number	CPU	RAM	LAN	USB	RS-232	RS-232/422/485	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
TF-AEC-6876-A1-1010	Intel® B810 -1.6 GHz	2GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCIe x 1 Mini Card x 1	Wallmount	DC 12V	0°C ~ 50°C (w/o air)
TF-AEC-6876-A1M-1010	Intel® B810 -1.6 GHz	2GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCIe x 1 Mini Card x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
TF-AEC-6876-A2-1010	Intel® Core™ i5-2510E - 2.5 GHz	2GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCIe x 1 Mini Card x 1	Wallmount	DC 12V	0°C ~ 50°C (w/o air)
TF-AEC-6876-A2M-1010	Intel® Core™ i5-2510E - 2.5 GHz	2GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCIe x 1 Mini Card x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
TF-AEC-6876-A3M-1010	Intel® Core™ i7-2710QE - 2.1GHz	4GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCIe x 1 Mini Card x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
TF-AEC-6876-A4M-1010	Intel® Core™ i3-2330E - 2.2GHz	4GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCIe x 1 Mini Card x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
TF-AEC-6876-B1M-1010	Intel® B810 -1.6 GHz	2GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCI x 2 Mini Card x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
TF-AEC-6876-B2M-1010	Intel® Core™ i5-2510E - 2.5 GHz	2GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCI x 2 Mini Card x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
TF-AEC-6876-B3M-1010	Intel® Core™ i7-2710QE - 2.1GHz	4GB	2	4	3	1	CFast™ kit x 1 HDD kit x 1	—	HDMI x 1, DVI-D x 1, VGA x 1	PCI x 2 Mini Card x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)

## Packing List

- Phoenix Power Connector
- M3 x 4mm Screws
- 6# -32 x 10mm Screws
- Wallmount Bracket x 2
- DVD-ROM for Manual (in PDF format) and Drivers
- AEC-6876

## Optional Accessories

- **1757908403**  
Power Adapter (84W), Output: DC 12V for AEC-6876-A1/A2
- **1757912001**  
Power Adapter (120W), Output: DC 19V-for AEC-6876-A1M/A2M
- **1702031830**  
Power Cord (US Type)
- **1702031831**  
Power Cord (European Type)
- **1702031810**  
Power Cord (Japanese Type)
- **9741687600**  
Extend 2nd 2.5" SATA HDD Ass' Kit
- **9741687601**  
Mini Blower Kit for AEC-6876-Bxx/AEC-6877-Axx/AEC-6877-Bxx Factory Install