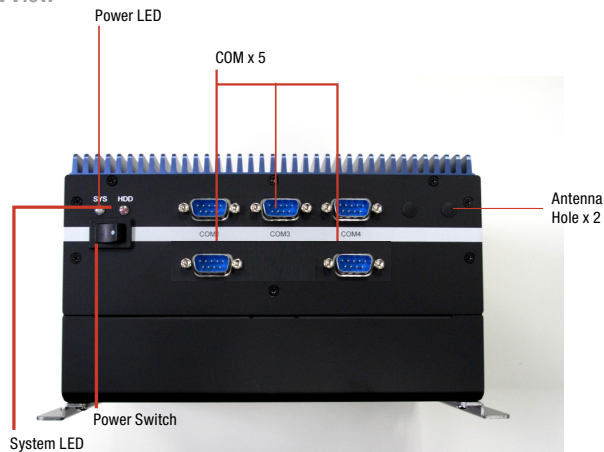


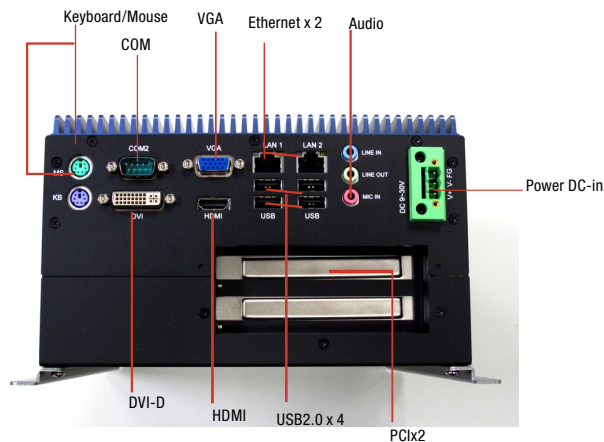
AEC-6876B

Fanless Embedded Controller with Intel® Core™ i7/ i5 /i3 /Celeron® Processor and PCI Expansion

Front View



Rear View



Features

- Intel® Core™ i7/ i5/ i3/ Celeron® Processor
- DDR3 SODIMM x 2, Supports DDR3 1066/1333, Max. 16 GB
- Intel® QM67 Chipset
- Gigabit Ethernet x 2
- Intel® Integrated Graphics Engine Supports Dual View by VGA, DVI, HDMI, LVDS
- COM x 6
- PCI x 2
- 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]	—
	PCI	2 (optional)
	Mini-Card	1
	Mini PCI	—
	Others	—
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	Intel® Core™ i7-2710QE 3.02A@19V(57.38W) without USB Loading	
System Cooling	Passive Cooling	
Mounting	Wallmount	
Operating Temperature	No Airflow	Ambient with Airflow
	32°F ~ 122°F (0°C ~ 50°C) Wide 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 (Hours)	50,000	
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	Window® XP Embedded, Windows® 7 32/64-bit, WES 2009, WES 7 32/64-bit, Linux Fedora 14/ Kernel 2.6.35.3	

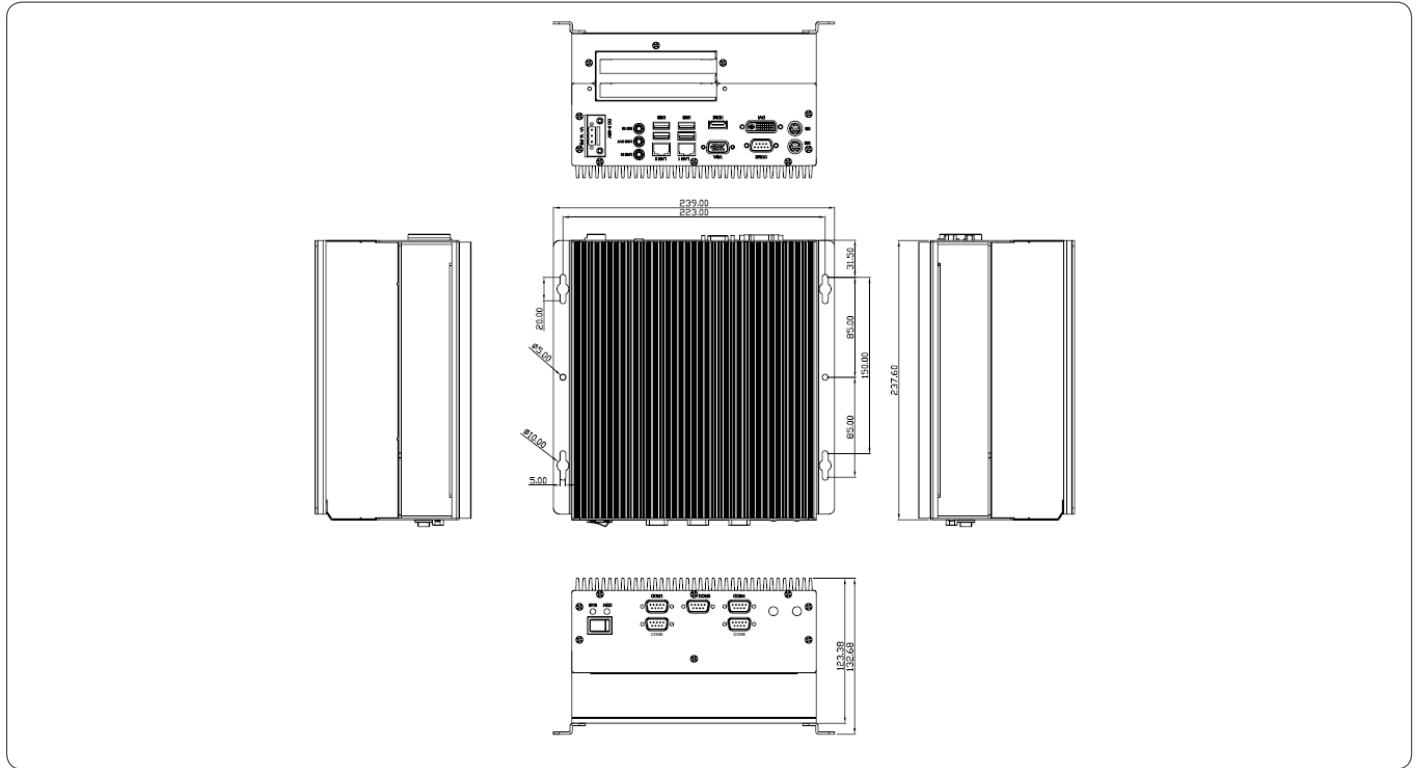
Specifications

CPU	Intel® Core™-i7/ i5/ i3 Celeron® Processor	
Chipset	Intel® QM67	
System Memory	DDR3 1066/1333 MHz SODIMM x 2, up to 16 GB	
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 6.0 Gb/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 5
	DIO	—
	Audio	—
	KB/MS	—
	Others	Power button x 1

AEC-6876B

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-6876B-A1-1110	—	—	2	4	5	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