

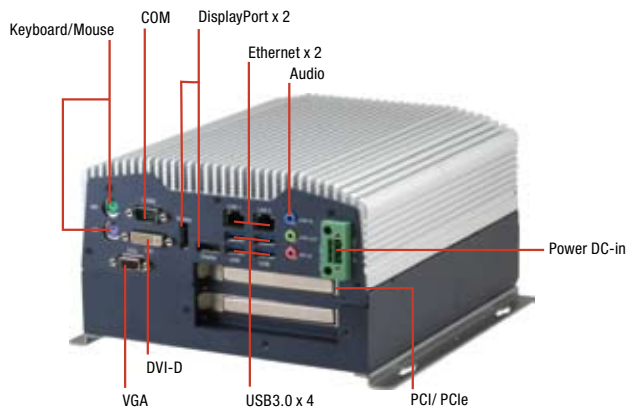
AEC-6877

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

Front View



Rear View



Features

- Intel® Core™ Intel® i7-3610QE, i5-3610ME/ i7-2710QE, i5-2510E and Celeron® B810 Processor
- Intel® QM77 Chipset
- Three Independent Video Output for DisplayPort™ x 2 + VGA or DVI with Ivy Bridge CPU
- USB 3.0 x 4
- PCI x 2 or PCI-Express[x4] x 1
- Power Protection
 - Over-Voltage Protection
 - Low Voltage Protection
 - Short Circuit Protection
 - Surge Protection (1000V DC)
- AAEON's Hi-Safe & Hi-Manager Support (i5/i7 CPU Only)



Specifications

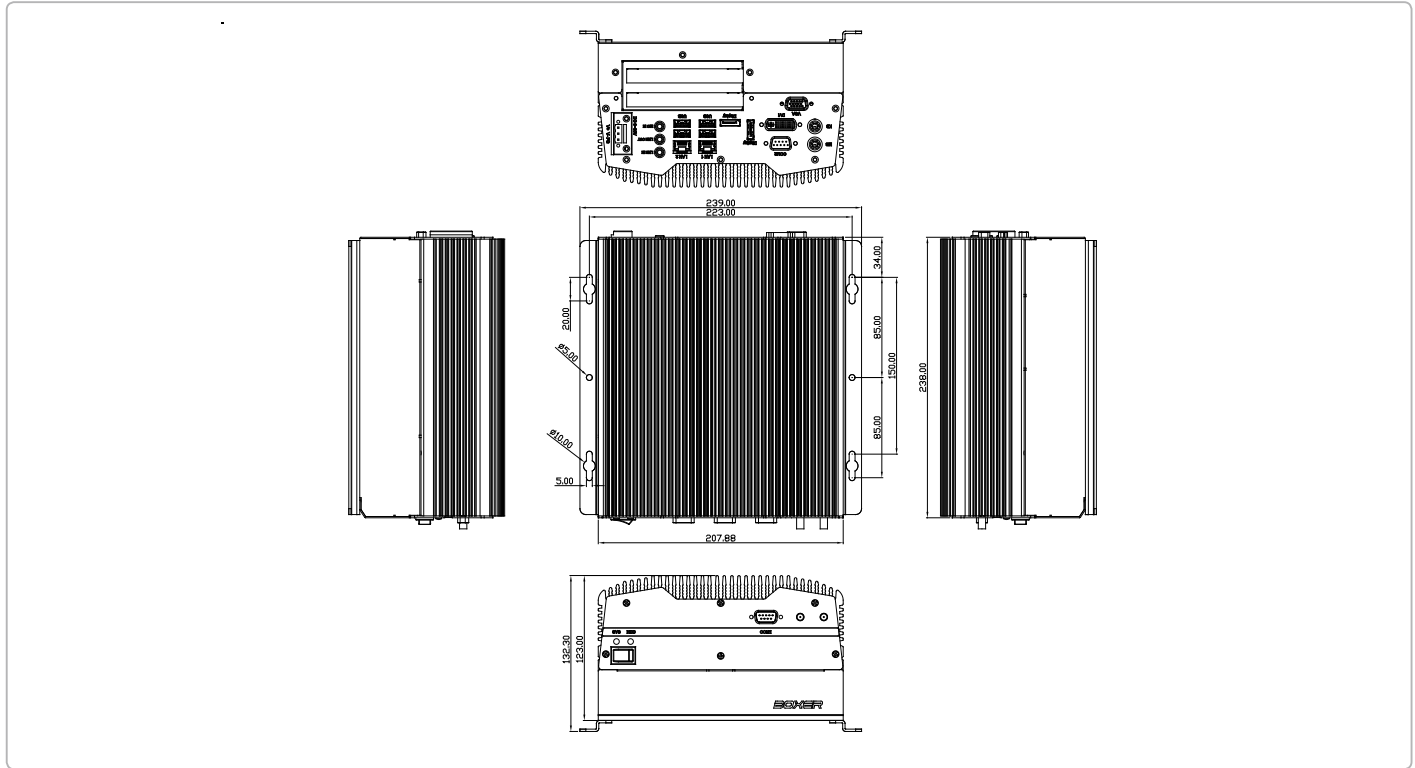
CPU	Intel® Core™ i7-3610QE 2.3GHz, i5-3610ME 2.7GHz Intel® Core™ i7-2710QE 2.1GHz Intel® Core™ i5-2510E 2.5GHz Intel® Celeron® B810, 1.6 GHz processor with socket PGA988
Chipset	Intel® QM77
System Memory	204-pin Dual-channel DDR3 1066/1333/1600 MHz SODIMM x 2, Up to 16 GB
Display Interface	VGA DB-15 x 1
	DVI DVI-D x 1, supports 1920x 1200 @ 60 Hz
	HDMI —
	Others DisplayPort™ x 2
Storage Device	SSD CFast™ slot
	HDD SATA 6.0Gb/s x 2, Support RAID 0,1
Network	LAN 10/100/1000Base-TX
	Wireless Optional by Mini Card
Front I/O	USB Host —
	LAN —
	Serial Port DB-9 x 1 for RS-232
	DIO —
	Audio —
	KB/MS —
	Others Push Power button x 1, Standard Antenna hole x 2
Rear I/O	USB Host USB 3.0 x 4
	LAN RJ-45 x 2
	Serial Port DB-9 x 1 for RS-232/422/485
	DIO —
	Audio Mic-in, Line-in, Line-out
	KB/MS PS/2 KB x 1+ MS x 1
	Others Power input x 1
Expansion	PCIe [x4] —
	PCI —
	Mini Card —
	Mini PCI —
	Others AxM : PCI-E[x4] x 1, BxM: PCI x 2

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 2A@30V	
System Cooling	Passive Cooling	
Mounting	Wallmount	
OS support	Window® XP Embedded, Window® XP, Window® 7, Linux Fedora	
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C) – without airflow	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Storage Humidity	10%~95% @40°C, non-condensing	
Anti-Vibration	5g rms / 5 ~ 500Hz / operation – CFast™	
	1g rms / 5 ~ 500Hz / operation – HDD	
Anti-Shock	20 G peak acceleration (11 msec. duration) – HDD	
MTBF	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)	

AEC-6877

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB 3.0	RS-232	RS-232/422/485	DIO	Storage	Display	Expansion	Mounting	Power	Operation temp.
AEC-6877-A1M-1010	Intel® Celeron® B810	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCIe x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-A2M-1010	Intel® i7-2710QE 2.1GHz	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCIe x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-A3M-1010	Intel® i5-2510E 2.7GHz	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCIe x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-A4M-1010	Intel® i7-3610QE 2.3GHz	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCIe x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-A5M-1010	Intel® i5-3610ME 2.7GHz	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCIe x 1	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-B1M-1010	Intel® Celeron® B810	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCI x 2	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-B2M-1010	Intel® i7-2710QE 2.1GHz	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCI x 2	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-B3M-1010	Intel® i5-2510E 2.7GHz	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCI x 2	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-B4M-1010	Intel® i7-3610QE 2.3GHz	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCI x 2	Wallmount	DC 9-30V	0°C ~ 50°C (w/o air)
AEC-6877-B5M-1010	Intel® i7-3610ME 2.7GHz	2GB	2	4	1	1	—	CFast™ x 1 HDD x 1	VGA x 1, DVI x 1, DP x 2	Mini Card x 1 PCI x 2	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 Brackets
- DVD-ROM for Manual (in PDF Format) and Drivers
- AEC-6877

Optional Accessories

- **1757912001**
Power Adapter, 19V, 6.32A, 120W, FSP, FSP120-AAB (A651), for DC 9-30V
- **1702031802**
Power Cord (US Type) - for 1757306004
- **1702031830**
Power Cord (US Type) - for 1757908400
- **1702031831**
Power Cord (Japanese Type)
- **1702031810**
Power Cord (European Type)
- **9741687600**
Extend 2nd 2.5" SATA HDD Kit
- **9741687601**
Mini Blower Kit for AEC-6876-Bxx/AEC-6877-Axx/
AEC-6877-Bxx Factory Install