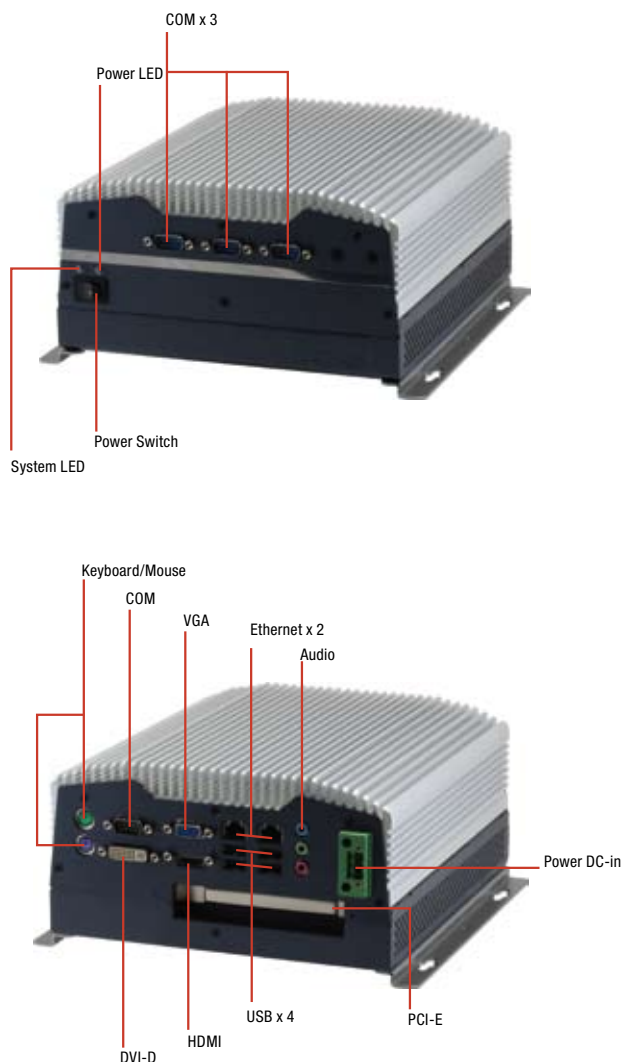


Fanless Embedded Controller With Intel® Core™ i7/i5/ Celeron® Processor And PCI Expansion



Features

- Intel® Core™ Intel i7-3610QE (3rd Generation)/ Celeron®-B810 Processor
- Intel® QM77 Chipset
- Three Independent Video Output for DisplayPort™ x 2+ VGA or DVI
- USB 3.0 x 4 & PCI x 2
- Power Protection
 - Over-Voltage Protection
 - Low-Voltage Protection
 - Short Circuit Protection
 - Surge Protection (1000Vdc)

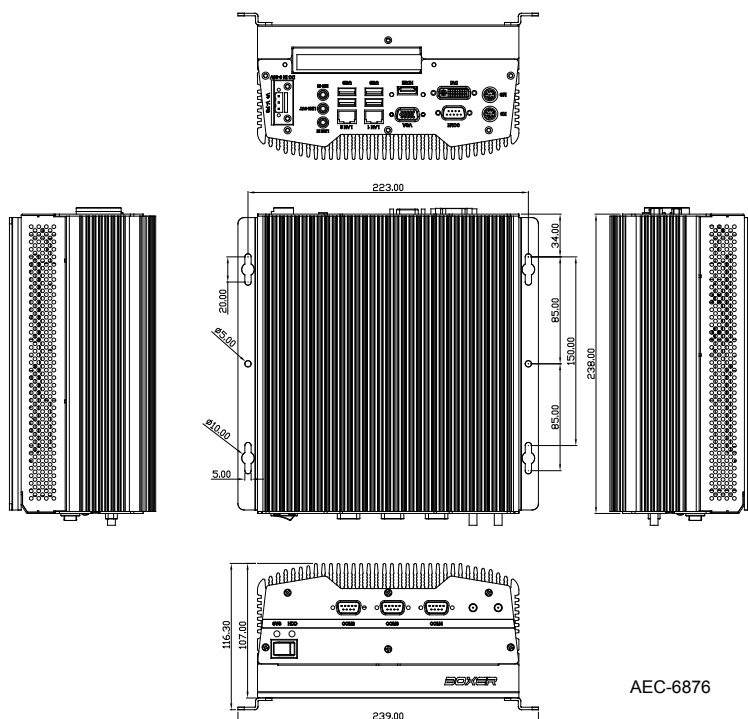


Specifications

CPU		Intel® Core™ i7-3610QE 2.3GHz Intel® Core™ i5-3610ME 2.1GHz Intel® Celeron™ B810, 1.6GHz processor with socket PGA988
Chipset		Intel® QM77
System Memory		204-pin Dual-channel DDR3 1066/1333/1600 MHz SODIMM x 2, Up to 16GB
Display Interface	VGA	DB-15 x 1 (optional 2nd VGA)
	DVI	DVI-D x 1 (optional 2nd DVI), supports 1920 x 1200 @ 60 Hz
	HDMI	—
	Others	2 x Display Port
Storage Device	SSD	CFast™ slot, SATA6.0Gb/s x 2, Support RAID 0,1,5,10
	HDD	—
Network	LAN	Gigabit Ethernet, RJ-45 x 2
	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	10/100/1000Base-T, RJ-45 port 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
Expansion	Others	Power input x 1
	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		—
System Cooling		Passive Cooling

Dimension

Unit: mm



AEC-6876

Mounting	Wallmount
OS support	Window® XP Embedded, Window® XP, Window® 7, Linux Fedora
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C) – without air flow
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Anti-Vibration	5 g rms/ 5 ~ 500Hz/ operation – CFast™ 1 g rms/ 5 ~ 500Hz/ operation – HDD
Anti-Shock	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)

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)

Ordering Information

- **TF-AEC-6877-A1M-1010**
Embedded Controller, Intel® i7-2710QE 2.1GHz (2nd Generation), 2GB RAM, DC9~30V
- **TF-AEC-6877-A2M-1010**
Embedded Controller, Intel® Celeron® B810 1.6GHz 2GB RAM, 2 x DP DC9-30V
- **TF-AEC-6877-A4M-1010**
Embedded Controller, Intel® i7-3610QE (3rd generation), 2GB RAM, DC9-30V