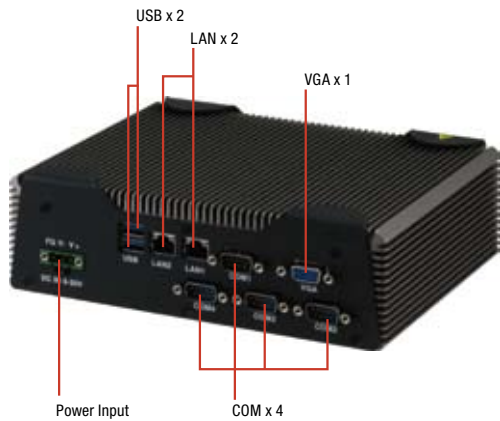
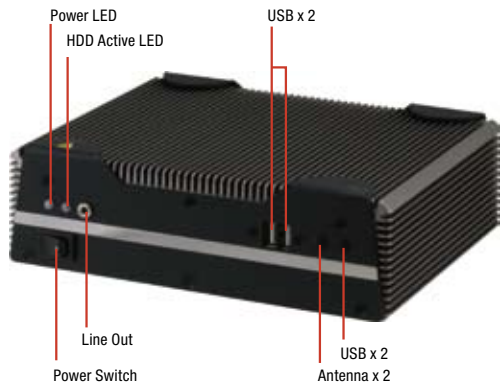


Fanless Embedded Controller With Intel® QM77 Chipset



Features

- Intel® 3rd Generation CPU Support, Core™ i7-3610QE, Intel® 2nd Generation Core™ i7-2710QE/i5-2510E/Celeron® B810 Processor
- Intel® QM77 Chipset
- COM x 4
- USB3.0 x 2 USB2.0 x 2
- VGA x 1
- Gigabit Ethernet x 2
- 2.5" SATA 3 Hard Disk Drive Bay
- Fanless Operation

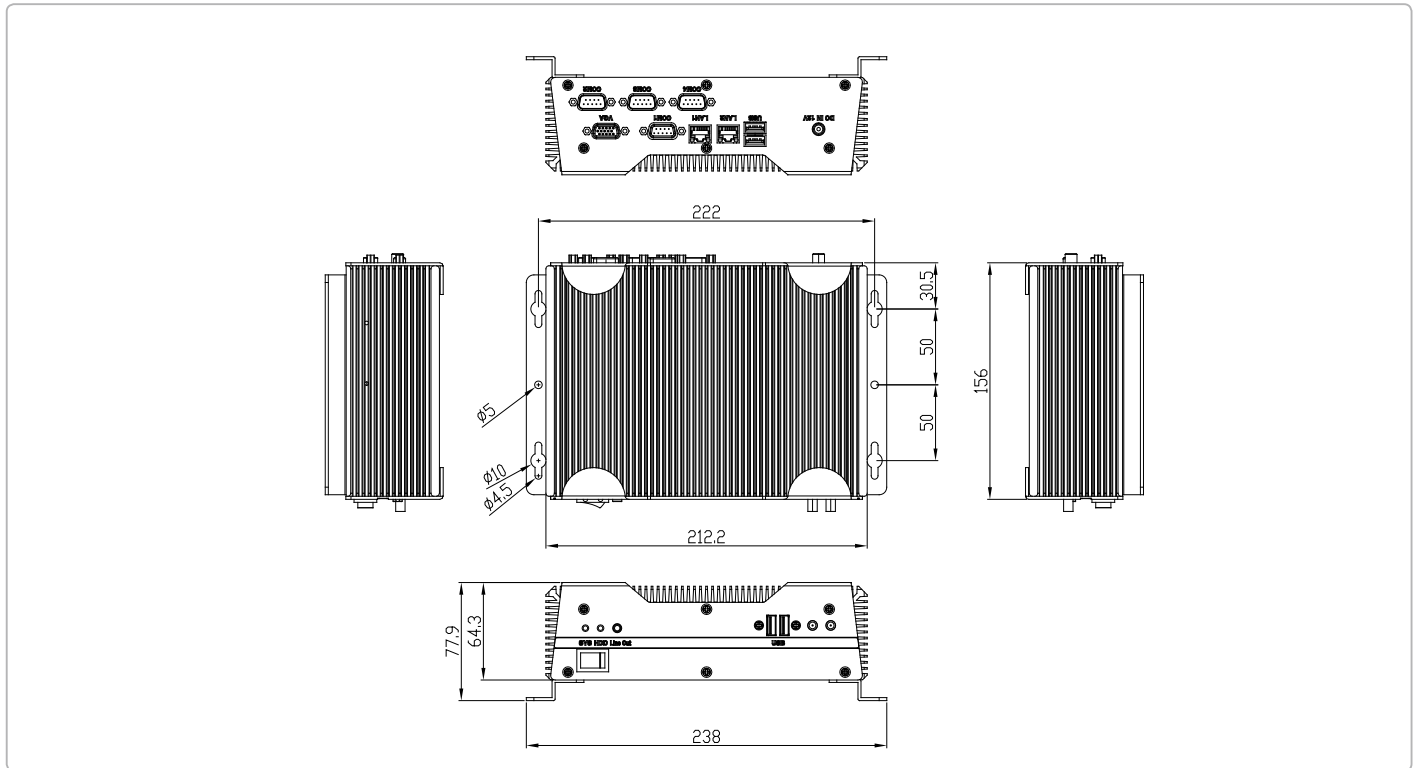


Specifications

CPU	Intel® Core™ i7-3610QE 2.3GHz processor 2.3GHz processor Intel® Core™ i7-2710QE 2.1GHz processor 2.1GHz processor Intel® Core™ i5-2510E 2.5GHz Intel® Celeron® -B810 1.6GHz	
Chipset	Intel® QM77	
System Memory	DDR3 SODIMM x 1, supports DDR3 1066/1333, Max. 8GB	
Display Interface	VGA	DB-15 x 1 (optional 2nd VGA)
	DVI	(Optional extension kit)
	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
	USB Port	USB2.0 x 2
Front I/O	LAN	—
	Serial Port	—
	DIO	—
	Audio	1
	KB/MS	—
	Others	Power ON/OFF Switch x 1, antenna hole x 2
	USB Port	USB3.0 x 2
Rear I/O	LAN	RJ-45 x 2
	Serial Port	RS-232 x 3, RS-232/422/485 x 1
	DIO	—
	Audio	—
	KB/MS	—
	Others	Power input x 1, VGA x 1
Expansion	PCIe [x1]	—
	PCI	—
	Mini Card	1
	Mini PCI	—
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	TBD	
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	-20°C ~ 70°C (-4°F ~ 158°F)	
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	—	

Dimension

Unit: mm



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	—	

Ordering Information

- **TF-AEC-6637-A1M-1010**
Embedded Controller, Intel® Core™ i7-3610QE 2.3GHz , 4 COM, 2 USB 3.0, 2 USB 2.0, 1 Mini Card, DC-in 9~30V
- **TF-AEC-6637-A2M-1010**
Embedded Controller, Intel® Core™ i7-2710QE 2.1GHz , 4 COM, 2 USB 3.0, 2 USB 2.0, 1 Mini Card, DC-in 9~30V
- **TF-AEC-6637-A3M-1010**
Embedded Controller, Intel® Core™ i5-2510E 2.5GHz , 4 COM, 2 USB 3.0, 2 USB 2.0, 1 Mini Card, DC-in 9~30V
- **TF-AEC-6637-A4M-1010**
Embedded Controller, Intel® Celeron B810 1.6GHz , 4 COM, 2 USB 3.0, 2 USB 2.0, 1 Mini Card, DC-in 9~30V

Optional Accessories

- **1757908403**
Power Adapter (84W), Output: DC 12V - for AEC-6637-A1/A2
- **1757912001**
Power Adapter (120W), Output: DC 19V - for AEC-6637-A1M/A2M
- **1702031830**
Power Cord (US Type)
- **1702031831**
Power Cord (European Type)
- **1702031810**
Power Cord (Japanese Type)