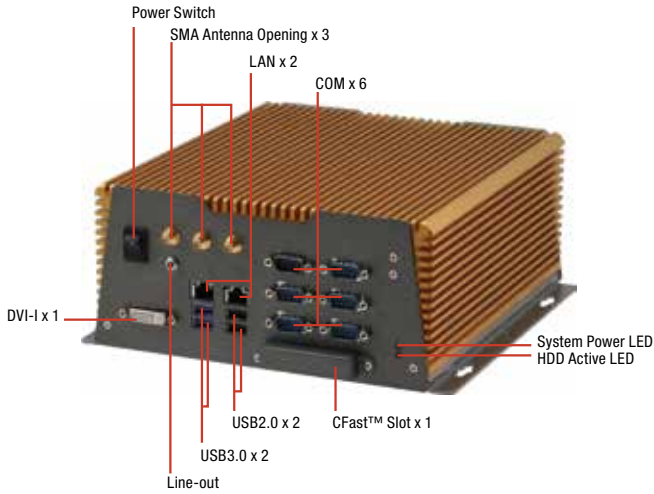


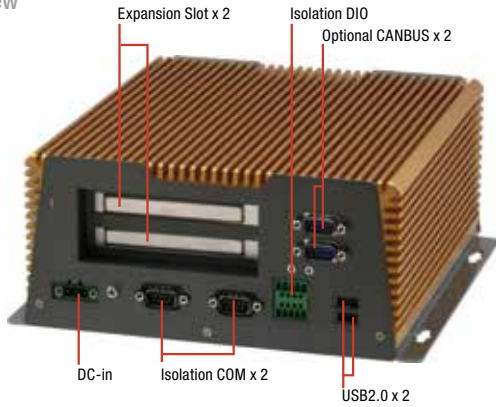
# AEC-6950

Fanless Embedded Controller with Intel® QM77 Chipset

Front View



Rear View



## Features

- Intel® Core™ i7-3517UE 1.7GHz Processor
- QM77 Chipset
- COM Module Integrated
- Isolation DI x 4 & DO x 4 (3KV)
- Isolation RS-232/422/485 x 2 (3KV)
- PCI x 2 or PCI-E [x1]/ PCI-E [x16]
- SIM Slot x 1 on the Mini PCI-E x 2
- Fanless Operation (-20°C ~ 50°C)



Rear I/O	USB Host	USB Type A x 2 for USB 2.0
	LAN	RJ-45 x 2, Gigabit Ethernet
	Serial port	Isolation Digital Input/Output x 10 pins (DI x 4, DO x 4)(3KV) Isolation DB-9 x 2 for RS-232/422/485 x 2 (3KV, Jumper selection)
	Expansion	PCI x 2 or PCI-E [x1]/PCI-E [x16]
Expansion	Others	3-pin terminal block x 1 Grounding screw x 1 Isolation CAN Bus x 2 (Optional, 3KV)
	PCI-E [x1]	PCI-E [x1]/PCI-E [x16]
	PCI	PCI x 2 (Optional)
	Mini Card	Mini PCI-E card x 2
	Mini PCI	—
Indicator	Front	HDD LED x 1, System LED x 1
	Rear	—
Power Requirement	DC-in 9~30V input, optional AC-in 100~240V	
Power Consumption	—	
System Cooling	Passive	
Mounting	Wallmount	
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C) w/o Airflow -4°F ~ 131°F (-20°C ~ 55°C) w/ Airflow *Power consumption of add-on PCI/PCI-E card need to be under 30W.	
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)	
Anti-Vibration	3g rms/ 5 ~ 500Hz/ operation – CFast™ 1g rms/ 5~ 500Hz/ operation – HDD	
Anti-Shock	50G peak acceleration (11 msec. duration) – CFD 20G peak acceleration (11 msec. duration) – HDD	
MTBF(Hours)	54,000	
Certification	EMC	CE/FCC class A
	Safety	—
Dimension (W x H x D)	8.4" x 3.9" x 9.5" (214mm x 100mm x 241mm)	
Gross Weight	5kg	

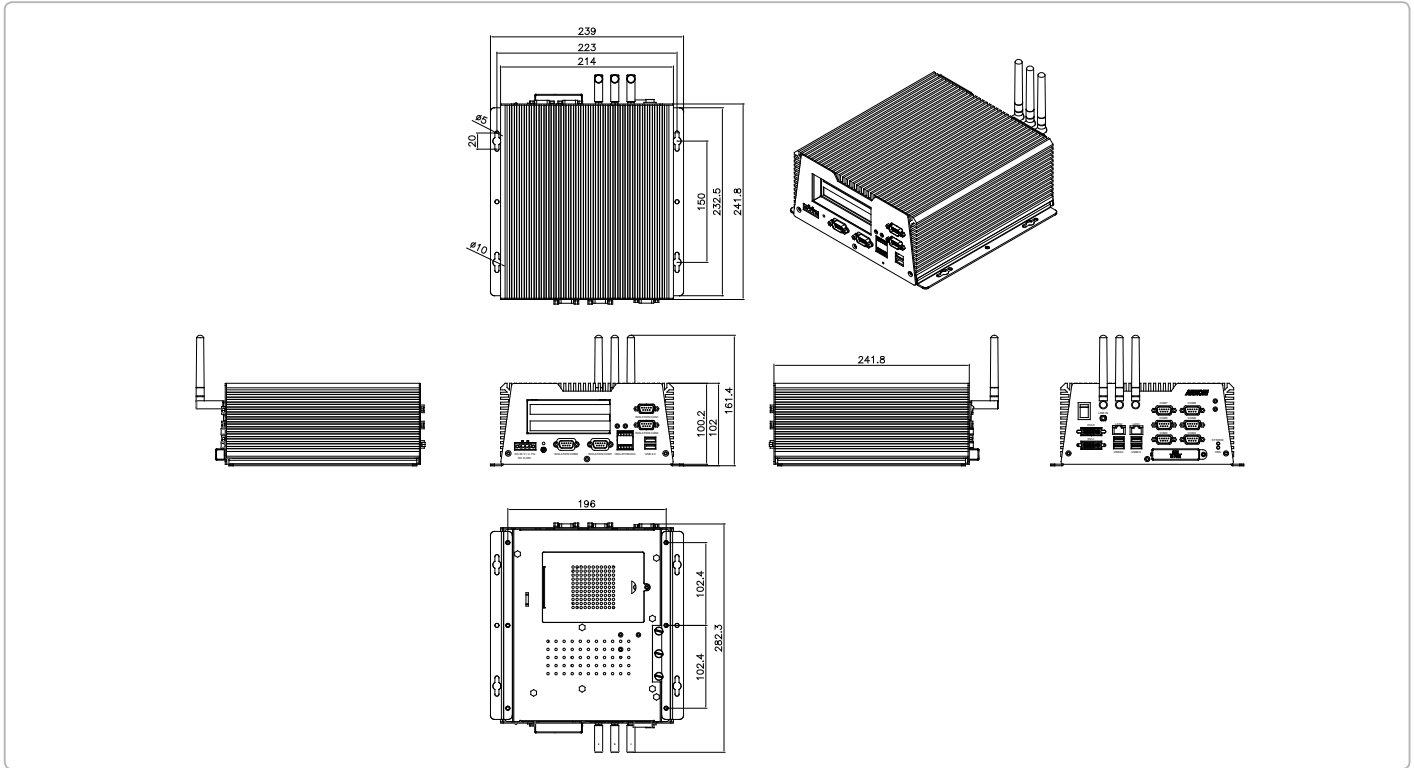
## Specifications

CPU	Intel® Core™ i7 3517UE 1.7GHz		
Chipset	Intel® QM77PCH		
System Memory	DDR3 1333/1600 SODIMM x 2, Max. 16GB		
Display Interface	VGA	—	
	DVI	DVI-I x 1 DVI-D x 1	
	Others	—	
	Storage Device	SSD	CFast™ slot x 1
Storage Device	HDD	2.5" HDD x 1	
	Others	—	
Network	LAN	Gigabit Ethernet, RJ-45 x 2	
	Wireless	Optional 3G, WiFi, GPS, BT	
	Display	DVI-I x 1	
Front I/O	Wireless	SIM slot x 1, SMA Antenna Opening x 3	
	Storage	CFast™ slot x 1	
	Audio	Line out	
	USB Host	USB Type A x 2 for USB 2.0	USB Type A x 2 for USB 3.0
		Serial Port	DB-9 x 2 for RS-232/422/485 x 2 DB-9 x 4 for RS-232 x 4
	DIO	—	
	Others	Power Button x 1 Indicator x 2 (System x 1 and HDD x 1) SIM Slot x 1	

# AEC-6950

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	LAN	USB3.0	USB 2.0	RS-232	RS-232/422/485 + Isolation	RS-232/422/485 + Isolation	Isolation DIO	Storage	Display	Expansion
AEC-6950-A1-1010	Core™ i7-3517UE	4GB	2	2	4	4	2	2	D1 x 4 & D0 x 4	CFast x 1 & 2.5" HDD x 1	DVI-I x 1 & DVI-D x 1	Full-size Mini PCI-E Card x 2, PCI x 2 or PCI-E [x1] x 1/PCI-E [x16] x 1

## Packing List

- Phoenix Power Connector x 1
- Wallmount Bracket x 2
- Product DVD
- AEC-6950

## Optional Accessories

- **1757912001**  
Power Adapter (120W), Output: DC 19V
- **1702031830**  
Power Cord (US Type)
- **1702031831**  
Power Cord (European Type)
- **1702031810**  
Power Cord (Japanese Type)