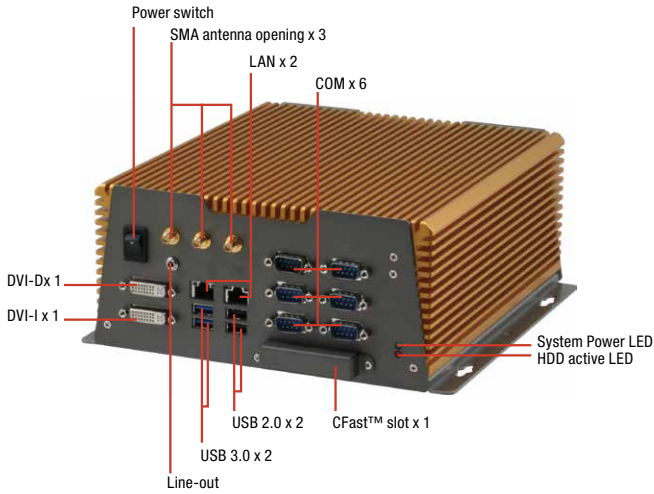
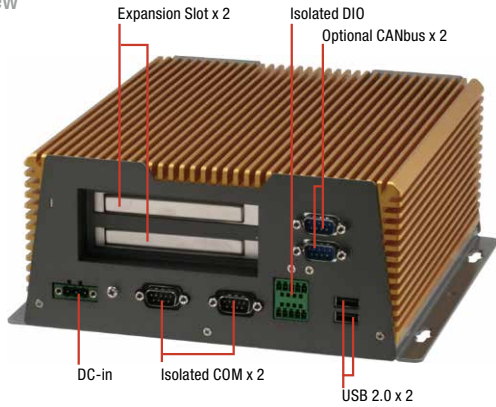


Fanless Embedded Box PC with Intel® QM77 Chipset

Front View



Rear View



Specifications

CPU	Intel® Core™ i7 3517UE 1.7 GHz	
Chipset	Intel® QM77PCH	
System Memory	DDR3 1333/1600 SODIMM x 2, up to 16 GB	
Display Interface	VGA	—
	DVI	DVI-I x 1 DVI-D x 1
	Others	—
Storage Device	SSD	CFast™ slot x 1
	HDD	2.5" SATA HDD x 1
	Others	—
Network	LAN	Gigabit Ethernet
	Wireless	Optional by Mini-Card
Front I/O	Display	DVI-I x 1, DVI-D x 1
	Wireless	SIM card 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 switch x 1 Indicator x 2 (System x 1 and HDD x 1) SIM card slot x 1

Features

- Intel® Core™ i7-3517UE 1.7 GHz Processor
- QM77 Chipset
- COM Module Integrated
- Isolated DI x 4 & DO x 4 (3KV)
- Isolated RS-232/422/485 x 2 (3KV)
- PCI x 2 or PCe [x1]/ PCe [x16]
- SIM card slot x 1
- PCIe Mini-Card Slot x 2
- Fanless Operation (-20°C ~ 55°C) with airflow

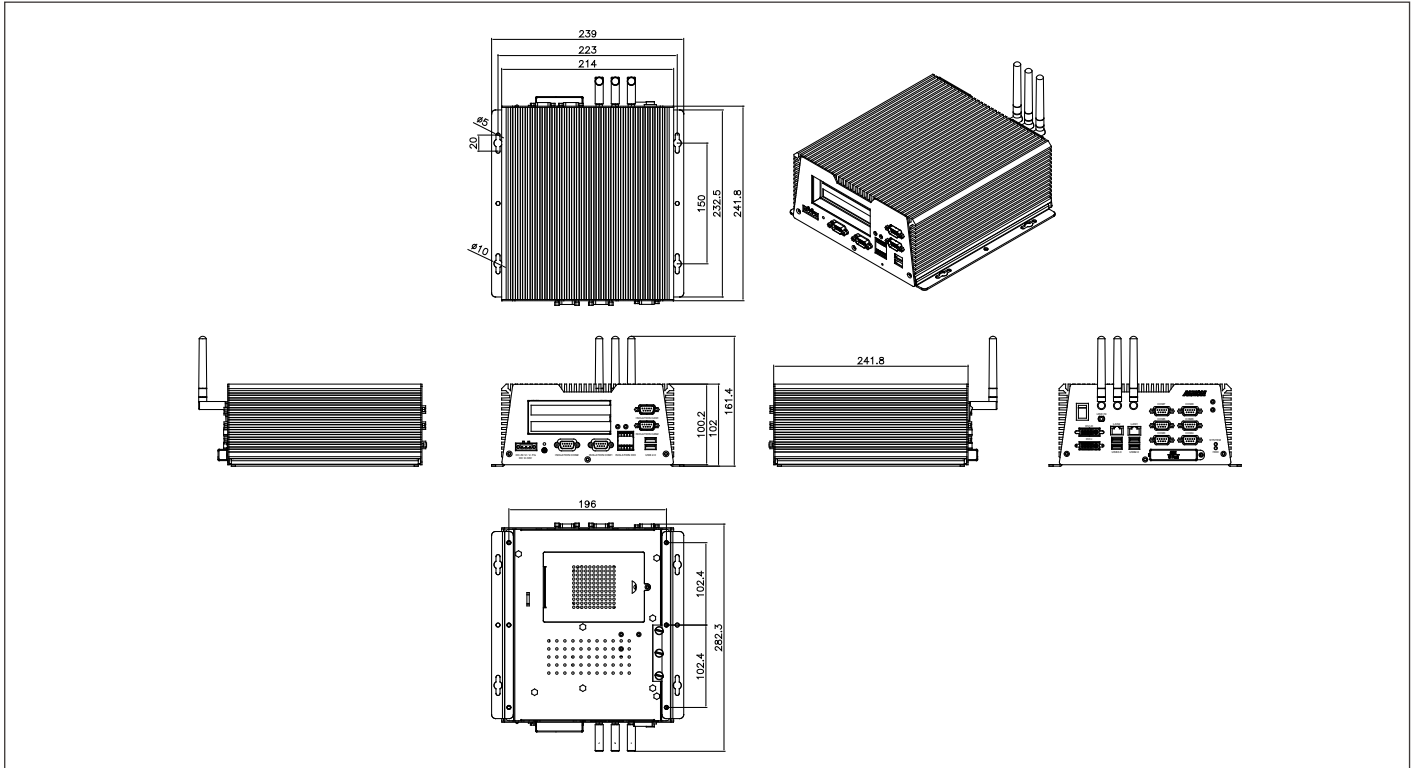


Rear I/O	USB Host	USB type A x 2 for USB 2.0
	LAN	RJ-45 x 2
	Serial port	Isolated Digital Input/Output x 10 pins (DI x 4, DO x 4)(3KV) Isolated DB-9 x 2 for RS-232/422/485 x 2 (3KV, jumper selection)
	Expansion	PCI x 2 or PCe [x1]/PCe [x16]
	Others	3-pin terminal block x 1 Grounding screw x 1 Isolated CAN Bus x 2 (optional, 2KV)
Expansion	PCe [x1]	Riser card: PCe [x1]/PCe [x16]
	PCI	Riser card: PCI x 2 (optional)
	Mini-Card	—
	Mini PCI	—
	Others	SIM card slot x 1
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) with airflow *Power consumption of add-on PCI/PCI-E card must be under 30W.	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Anti-Vibration	3 Grms/ 5 ~ 500Hz/ operation – CFast™ 1 Grms/ 5~ 500Hz/ operation – HDD	
Anti-Shock	50 G peak acceleration (11 msec. duration) – CFD 20 G peak acceleration (11 msec. duration) – HDD	
MTBF (Hours)	54,000	
Certification	EMC	CE/FCC class A, UL
	Safety	—
Dimension (W x H x D)	8.4" x 3.9" x 9.5" (214mm x 100mm x 241mm)	
Gross Weight	11 lb (5 kg)	

AEC-6950

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB 3.0	USB 2.0	RS-232	RS-232/422/485 + Isolation	RS-232/422/485	Isolation DIO	Storage	Display	Expansion
AEC-6950-A0-1010	Core™ i7-3517UE	—	2	2	4	4	2	2	DI x 4 & DO x 4	CFast™ x 1 & 2.5" HDD x 1	DVI-I x 1 & DVI-D x 1	Full-size Mini-PCIe Card x 2
AEC-6950-A1-1010	Core™ i7-3517UE	4 GB	2	2	4	4	2	2	DI x 4 & DO x 4	CFast™ x 1 & 2.5" HDD x 1	DVI-I x 1 & DVI-D x 1	Full-size Mini-PCIe Card x 2, PCIe [x1] x 1/PCIe [x 16] x 1
AEC-6950-A2-1010	Core™ i7-3517UE	4 GB	2	2	4	4	2	2	DI x 4 & DO x 4	CFast™ x 1 & 2.5" HDD x 1	DVI-I x 1 & DVI-D x 1	Full-size Mini-PCIe Card x 2, PCI x 2

Packing List

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

Optional Accessories

- **1255901202**
Power Adapter (120W), Output: DC 19V
- **1702031802**
Power Cord (US type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **PER-T248-A10**
CAN Bus Kit