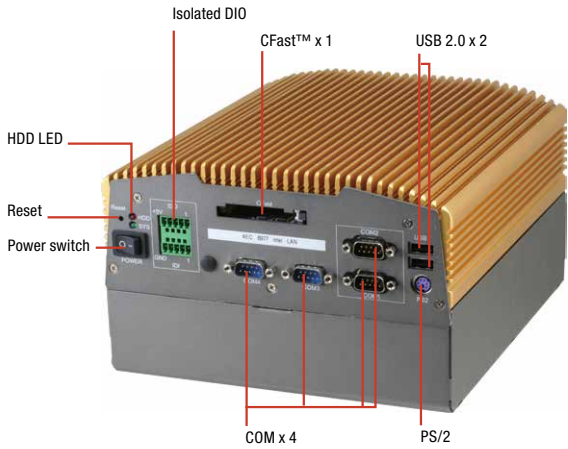


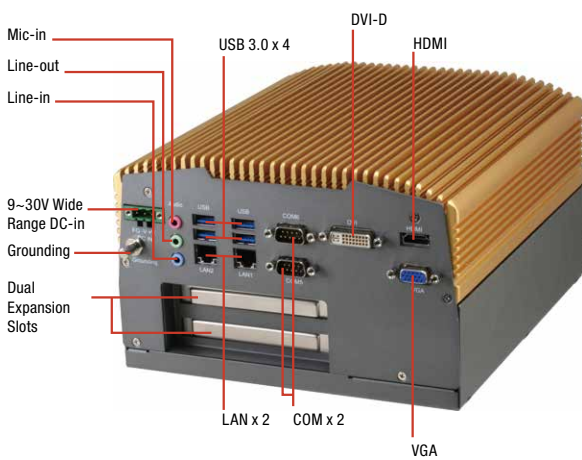
10 AEC-6977

Fanless Embedded Box PC with Intel® QM77 Chipset

Front View



Rear View



Specifications

System	
CPU	Intel® Core™ i7-3612QE, 2.1 GHz Intel® Core™ i7-3517UE, 1.7 GHz Intel® Core™ i3-3217UE, 1.6 GHz Intel® Celeron® 1020E, 2.2 GHz
Chipset	Intel® QM77
System Memory	DDR3 1066/1333 MHz SODIMM slot x 2, up to 16 GB
Display Interface	HDMI, DVI-D, VGA
Storage Device	CFAST™, HDD/SSD
Ethernet	Intel® 82579LM, 10/100/1000Base-TX x 1 Intel® 82574L, 10/100/1000Base-TX x 1

Features

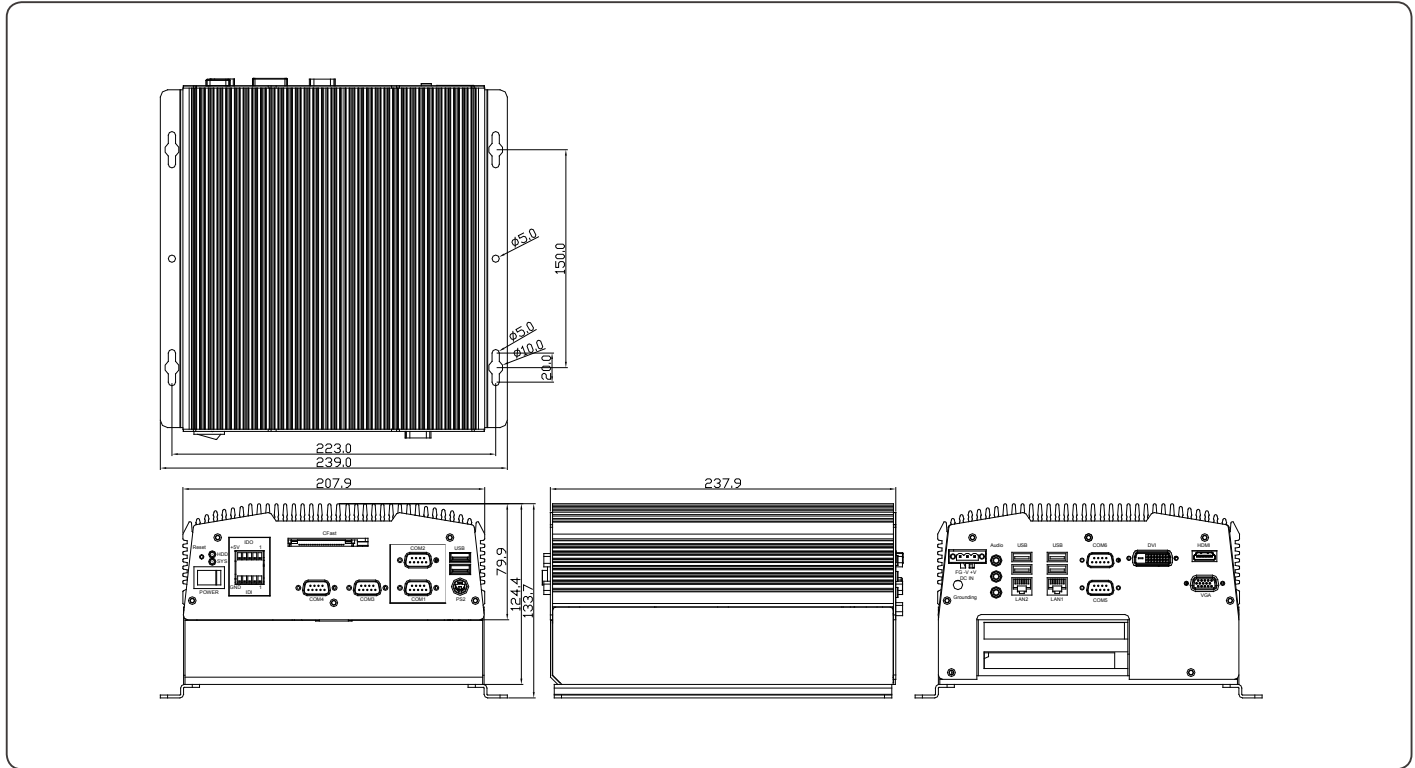
- Intel® Core™ i7-3517UE 1.7 GHz Processor
- QM77 Chipset
- COM x 6 (2.5KV Isolation x 2), 2.5KV Isolated DIO
- Mini-PCIe x 2 & CFAST™ x 1
- Riser Card: PCI x 2, PCI-E[x4] x 2, PCI x 1 and PCI-E[x4] x 1
- Hi-Safe and Hi-Manager Support
- Built-in TPM



I/O	RS-232/422/485 x 1 isolation RS-232 x 1 isolation RS-232 x 4 USB 3.0 x 4 USB 2.0 x 2 HDMI x 1 DVI-D x 1 VGA x 1 LAN x 2 Programmable 8-bit digital input / output isolation Mic-in x 1 Line-in x 1 Line-out x 1 PS/2 x 1 Grounding x 1 CFAST™ slot x 1 Antenna h
Expansion	Full-size Mini-Card x 2 PCIe[x4] x 2 (SKU A1, A4, A7, A10) PCI x 2 (SKU A2, A5, A8, A11) PCIe[x4] x 1 & PCI x 1 (SKU A3, A6, A9, A12)
Indicator	Power LED HDD active LED
OS support	Windows® 7, Windows® XP, Windows® XP Embedded, Linux Fedora
Power Supply	
Power Requirement	9 - 30V with 3-pin terminal block
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	8.19" x 4.9" x 9.37" (208mm x 124.4mm x 238mm)
Gross Weight	13.2 lb (6.0 kg)
Net Weight	—
Environmental	
Operating Temperature	-20°C ~ 60°C with CPU Intel Core™i7-3612QE or Celeron® 1020E, and wide temperature CFAST™ card (according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices) -20°C ~ 75°C with CPU Intel Core™i7-3517UE or Core™ i3-3217UE, and wide temperature CF
Storage Temperature	-20°C ~ 70°C
Storage Humidity	95% @ 40°C, non-condensing
Anti-Vibration	3 Grms/ 5 ~ 500Hz/ operation – CFAST™/SSD 1 Grms/ 5 ~ 500Hz/ operation – HDD
Certification	CE/FCC class A

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB 3.0	USB 2.0	RS-232	RS-232 + Isolation	RS-232/422/485 + Isolation	Isolation DIO	Storage	Display	Expansion	Mounting	Power	Temp.
AEC-6977-A1-1010	i7-3612QE – 2.1 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCIe x 2	Wallmount	9-30V	-20°C ~ 50°C (w/o air)
AEC-6977-A2-1010	i7-3612QE – 2.1 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCI x 2	Wallmount	9-30V	-20°C ~ 50°C (w/o air)
AEC-6977-A3-1010	i7-3612QE – 2.1 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCI x 1 & PCIe x 1	Wallmount	9-30V	-20°C ~ 50°C (w/o air)
AEC-6977-A4-1010	i3-3217UE – 1.6 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCIe x 2	Wallmount	9-30V	-20°C ~ 65°C (w/o air)
AEC-6977-A5-1010	i3-3217UE – 1.6 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCI x 2	Wallmount	9-30V	-20°C ~ 65°C (w/o air)
AEC-6977-A6-1010	i3-3217UE – 1.6 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCI x 1 & PCIe x 1	Wallmount	9-30V	-20°C ~ 65°C (w/o air)
AEC-6977-A7-1010	Celeron® 1020E – 2.2 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCIe x 2	Wallmount	9-30V	-20°C ~ 50°C (w/o air)
AEC-6977-A8-1010	Celeron® 1020E – 2.2 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCI x 2	Wallmount	9-30V	-20°C ~ 50°C (w/o air)
AEC-6977-A9-1010	Celeron® 1020E – 2.2 GHz	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCI x 1 & PCIe x 1	Wallmount	9-30V	-20°C ~ 50°C (w/o air)
AEC-6977-A10-1010	i7-3517UE	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCIe x 2	Wallmount	9-30V	-20°C ~ 65°C (w/o air)
AEC-6977-A11-1010	i7-3517UE	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCI x 2	Wallmount	9-30V	-20°C ~ 65°C (w/o air)
AEC-6977-A12-1010	i7-3517UE	4 GB	2	4	2	4	1	1	DI x 4 & DO x 4	CFast™ slot x 1, HDD kit x 1	HDMI x 1, DVI x 1, VGA x 1	Mini-Card x 2, PCI x 1 & PCIe x 1	Wallmount	9-30V	-20°C ~ 65°C (w/o air)

Packing List

- Phoenix Power Connector x 1
- Wallmount Bracket x 2
- Product DVD
- AEC-6977

Optional Accessories

- **1255901202**
Power Adapter (120W), Output: DC 19V
- **1255900841**
Power Adapter (84W), Output: DC 12V
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **9741696701**
I/O Dust Cover Kit
- **9741696702**
2nd 2.5" SATA HDD Kit