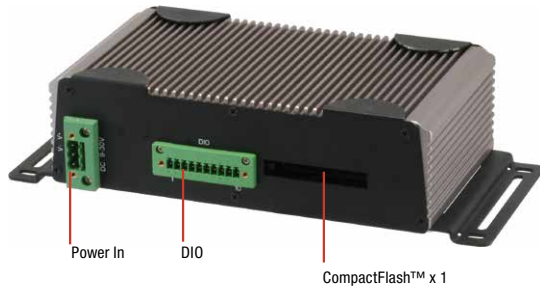


# 08 AEC-6612 Rev. B

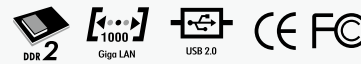
Compact Fanless BOX PC Solutions  
 Fanless Embedded Box PC with Intel® Atom™ D525 Processor

Front View



## Features

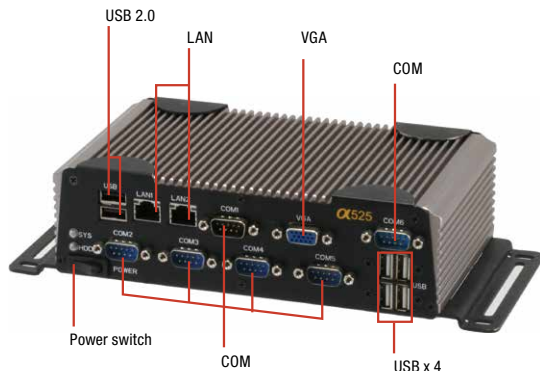
- Intel® Atom™ D525 Processor
- Intel® ICH8M Chipset
- Up to COM x 6, USB x 6
- Wide DC Power Input
- Fanless Operating System
- Gigabit Ethernet x 2



## Specifications

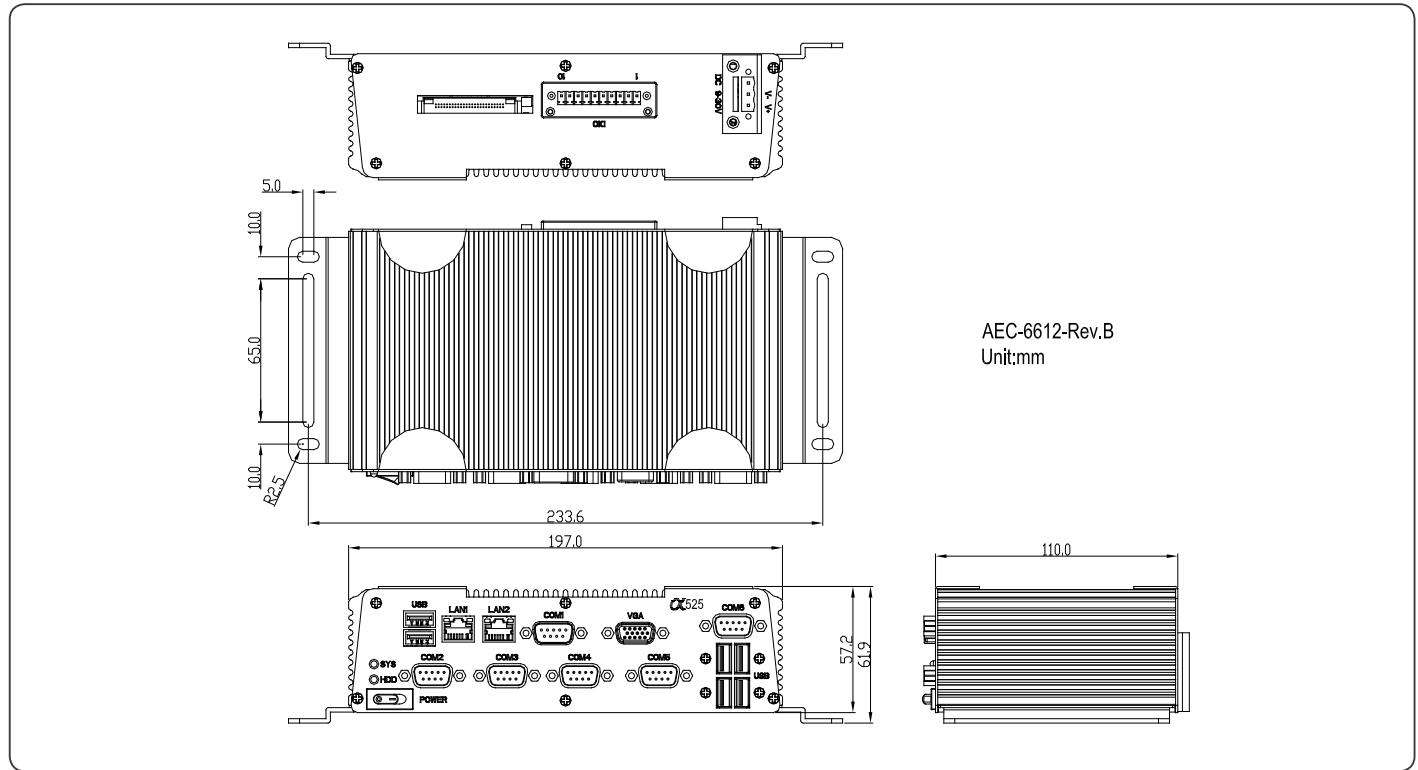
System	
CPU	Intel® Atom™ D525, 1.8 GHz
Chipset	Intel® ICH8M
System Memory	DDR3 667/800 SODIMM slot x 1, up to 4 GB
Display Interface	VGA
Storage Device	Compact Flash™, HDD/SSD
Ethernet	Intel® 82567V, 10/100/1000Base-TX x 1 Intel® 82583V, 10/100/1000Base-TX x 1
I/O	RS-232/422/485 x 1 RS-232 x 5 (B2 / B2M) ; x 1 (A1 / A1M) USB 2.0 x 6 (B2 / B2M) ; x 2 (A1 / A1M) VGA x 1 Line-out x 1 DIO x 8 (DI x 4 ; DO x 4) LAN x 2 Compact Flash slot x 2 Power switch Power input
Expansion	Full-size Mini-Card x 1
Indicator	Power LED HDD active LED
OS support	Windows® XP(32-bit), Windows® 7(32-bit / 64-bit), WES2009, WES7 32-bit / 64-bit, WinCE 6.0, WEC7, Linux Fedora 14/ Kernel 2.6.35.6
Power Supply	
Power Requirement	9 - 30V with 3-pin terminal block 12V with lockable DC jack
Mechanical	
Mounting	Wallmount DIN Rail (Mounting kit is optional)
Dimensions (W x H x D)	7.76" x 2.26" x 4.34" (197mm x 57.2mm x 110mm )
Gross Weight	—
Net Weight	4.85 lb (2.2 kg)
Environmental	
Operating Temperature	-20°C ~ 50°C with wide temperature CFast™ card -20°C ~ 55°C with wide temperature HDD (according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices)
Storage Temperature	-20°C ~ 70°C
Storage Humidity	95% @ 40°C, non-condensing
Anti-Vibration	5 Grms/ 5 ~ 500Hz/ operation –CFast™ card 1 Grms/ 5~ 500Hz/ operation – HDD
Certification	CE/FCC class A

Rear View



## Dimension

Unit: mm



AEC-6612-Rev.B  
Unit:mm

## Ordering Information

Part Number	CPU	RAM	LAN	USB	RS-232	RS-232/422/485	DIO	AUDIO	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
TF-AEC-6612-B1-1010	Intel® Atom™ D525 1.8 GHz	—	2	2	1	1	4DI+4DO	—	CFD kit x 1 HDD kit x 1	—	VGA x 1	Mini-Card x 1	Wallmount Din Rail Mount Kit (Optional) VESA Mount Kit (Optional)	DC 12V	-20°C ~ 50°C with CFD (w/o air) -20°C ~ 55°C with HDD (w/o air)
TF-AEC-6612-B1M-1010	Intel® Atom™ D525 1.8 GHz	—	2	2	1	1	4DI+4DO	—	CFD kit x 1 HDD kit x 1	—	VGA x 1	Mini-Card x 1	Wallmount Din Rail Mount Kit (Optional) VESA Mount Kit (Optional)	DC 9-30V	-20°C ~ 50°C with CFD (w/o air) -20°C ~ 55°C with HDD (w/o air)
TF-AEC-6612-B2-1010	Intel® Atom™ D525 1.8 GHz	—	2	6	5	1	4DI+4DO	—	CFD kit x 1 HDD kit x 1	—	VGA x 1	Mini-Card x 1	Wallmount Din Rail Mount Kit (Optional) VESA Mount Kit (Optional)	DC 12V	-20°C ~ 50°C with CFD (w/o air) -20°C ~ 55°C with HDD (w/o air)
TF-AEC-6612-B2M-1010	Intel® Atom™ D525 1.8 GHz	—	2	6	5	1	4DI+4DO	—	CFD kit x 1 HDD kit x 1	—	VGA x 1	Mini-Card x 1	Wallmount Din Rail Mount Kit (Optional) VESA Mount Kit (Optional)	DC 9-30V	-20°C ~ 50°C with CFD (w/o air) -20°C ~ 55°C with HDD (w/o air)

## Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- Phoenix Power Connector x 1
- Product CD
- AEC-6612 Rev. B

## Optional Accessories

- **125530060A**  
Power Adapter (60W), Output: DC 12V - for AEC-6612-B1/B2
- **1255900841**  
Power Adapter (84W), Output: DC 12V - for AEC-6612-B1M/B2M
- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)
- **9741662505**  
VESA Mount Kit
- **9741681003**  
DIN Rail Mount Kit
- **9741661100**  
I/O Dust Cover Kit
- **9741661201**  
Single 2.5" SATA Removable HDD ASS'Y Kit