

EPS-AT270

Fanless Intel® 945GSE Micro PC

Quick Reference Guide

1st Ed –17 September 2009

FCC Statement



THIS DEVICE COMPLIES WITH PART 15 FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE.

(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS "A" DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES.

THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS.

OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

Avalue Customer Services

We want you to get the maximum performance from your products. So if you run into technical difficulties, we are here to help. For the most frequently asked questions, you can easily find answers in your product documentation; please consult the user's manual first.

To receive the latest version of the user's manual; please visit our Web site at:

<http://www.avalue.com.tw>

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1. Getting Started

1.1 Safety Precautions

Warning!



Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.

Caution!



Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.

1.2 Packing List

- 1 x EPS-AT270 Fanless Intel® 945GSE Micro PC (with EPI-945GSE inside)
- 1 x Quick Reference Guide
- 1 x DVD-ROM contains the followings:
 - User's Manual (this manual in PDF file)
 - Ethernet driver and utilities
 - VGA drivers and utilities
 - Audio drivers and utilities
- Other major components include the followings:
 - 1 x AC to DC adapter (12V/ 5A,60W)



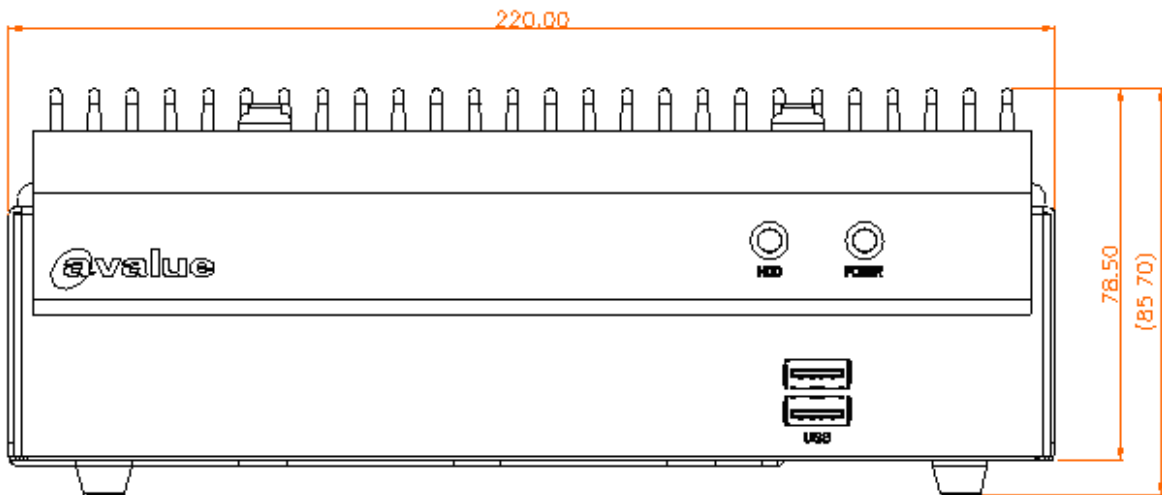
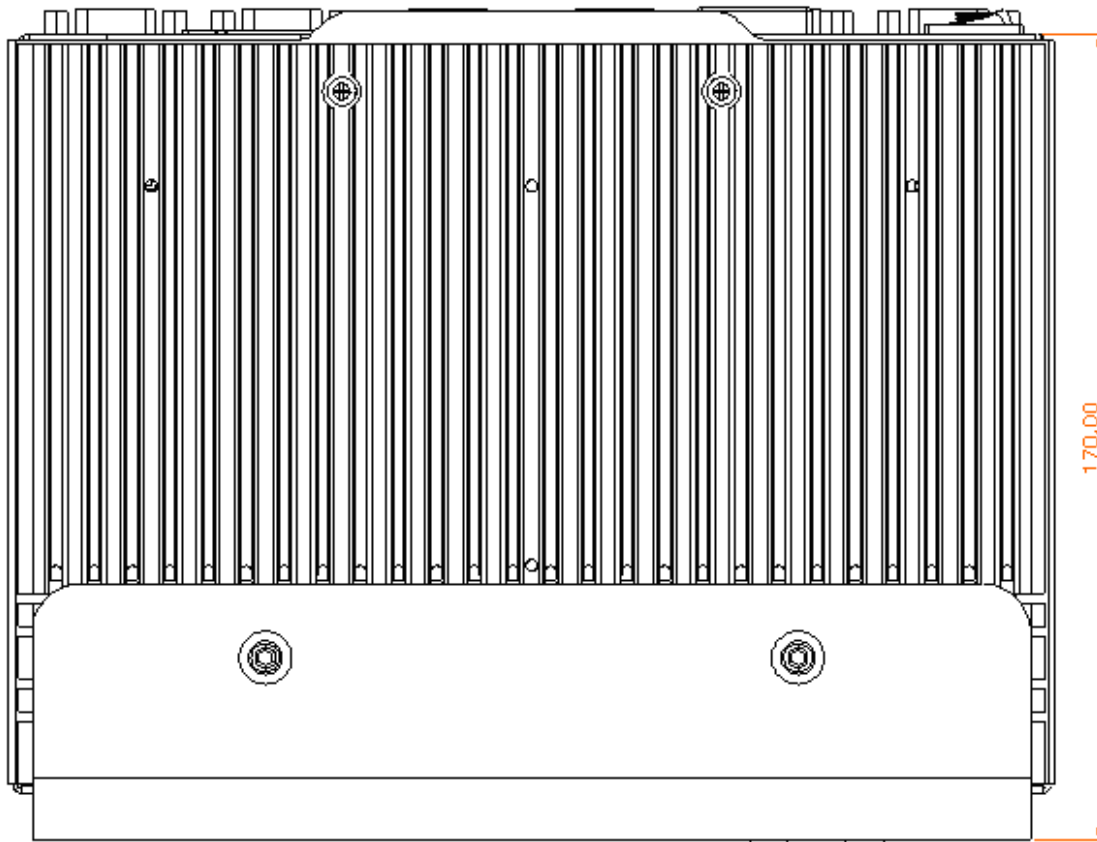
If any of the above items is damaged or missing, contact your retailer.

1.3 System Specifications

Model	EPS-AT270
CPU	Onboard Intel® N270 Atom processor 1.6GHz, (2.5W)
BIOS	Award 8Mbit Flash BIOS
System Chipset	Intel® 945GSE/ICH7-M
I/O Chipset	ITE 8712F/KX + Fintek F81216DG
System Memory	One 200-pin SODIMM socket, up to 2 GB DDR2 400/533MHz SDRAM
SSD	One Compact Flash Type I / II Socket with Ejector
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
Display	Intel® 945GSE Integrated
Audio	Realtek ALC655 supports 5.1-CH Audio
Ethernet	Dual Realtek 8111C GigaLAN
Expansion	1x Express Card/34mm Slot
HDD	Support 1x 2.5" HDD
COM Port	5xRS-232, 1x RS-232/422/485
Ethernet Port	2 x RJ-45
VGA / LCD / DVI Port	1 x VGA
Audio Port	1x Audio Jack (Mic-in, Line-out)
USB Port	6 x USB 2.0
SATA Port	2 x SATA
Mouse & KB	1 x PS/2 mini DIN (Optional)
Power Input	9~32V
Power Output	Power Adapter: AC to DC, DC12V/5A, 60W
Operating Temperature	-15°C ~60°C (5~140°F) (With CF or SSD)
Storage Temperature	-20°C to +75°C (-4~167°F)
Relative Humidity	5 to 90% @ 40°C (104°F), relative humidity, non-condensing
Dimension (W x D x H)	220mm x 160mm x 80mm
Weight	4.4 lbs
Mounting	Wall Mount Kit
Vibration	5 Grms, random, 5~500MHz, 1hr/axis (With CF) 1 Grms, random, 5~500MHz, 1hr/axis (With Automobile HDD)
Shock	50G, 11ms duration (With CF) 20G, 11ms duration (With Automobile HDD)

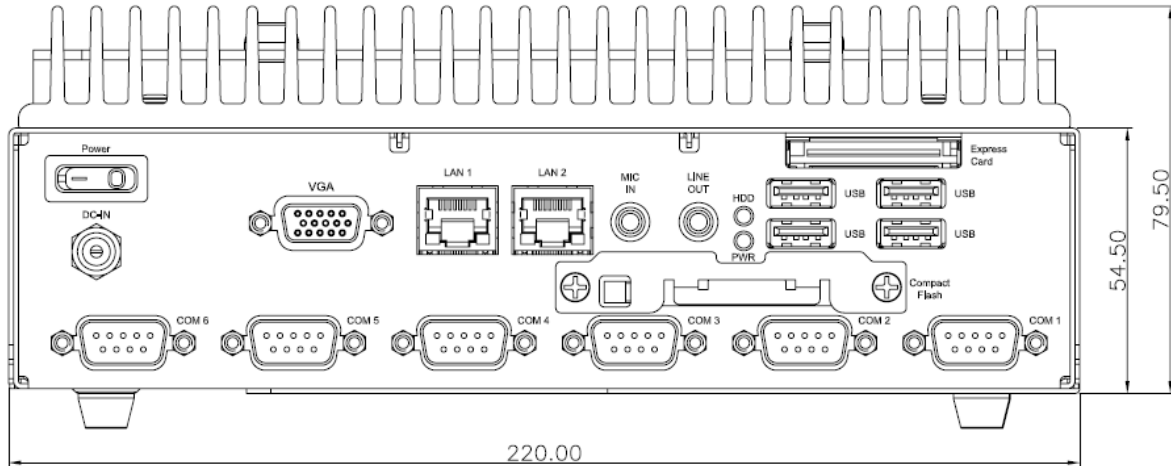
1.4 System Overview

1.4.1 Front & Rear View



EPS-AT270

1.4.2 Rear View



Connectors

Label	Function	Note
COM1~6	Serial port connector1~6	
Compact Flash	CompactFlash card connector	Type I/II x 1
DC-IN	DC power-in connector (Screw Type)	
Express Card	Express card slot	1x Express Card/34mm Slot
HDD	HDD Indicator	
PWR	Power Indicator	
LAN1	RJ-45 Ethernet 1	
LAN2	RJ-45 Ethernet 2	
LINE OUT	Line-out audio jack	
MIC IN	Microphone-in audio jack	
Power	System power switch	
USB	USB connector	
VGA	VGA connector	

2. Hardware Configuration

2.1 Jumper and Connector Setting, Driver and BIOS Installing

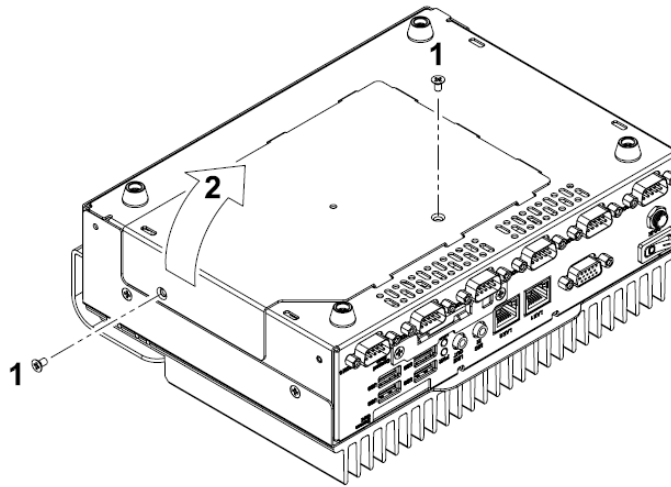
Please refer to EPI-945GSE Quick Installation Guide or User's Manual for advanced information.



Note: If you need more information, please visit our website:

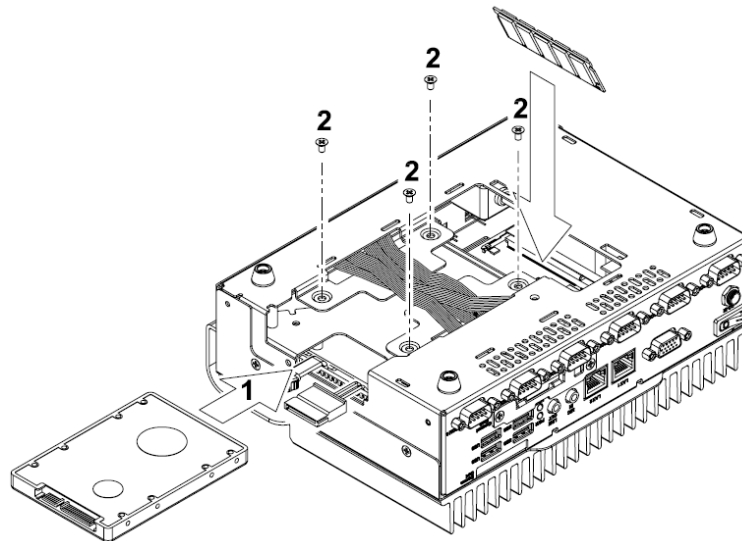
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2.2 Installing Hard Disk & Memory



Step 1. Unfasten 2 screws from bottom and rear side.

Step 2. Remove the chassis cover.



Step 3. Removing 4 fixing screws of bottom.

Step 4. Insert DDR2 SODIMM into memory socket.

Step 5. Insert the drive into position, and secure it with 4 screws.

Step 6. Place back the cover and fasten 2 screws back as the original.

