

EES-3610 Series

VIA Eden Micro PC

Quick Reference Guide

3rd Ed – 28 December 2005

Packing List

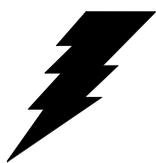
Before you begin installing your Micro PC, please make sure that the following materials have been shipped:

- 1 EES-3610 VIA Eden Micro PC (with ECM-3610 inside)
- 1 Quick Reference Guide
- 1 CD-ROM or DVD-ROM contains the followings:
 - User's Manual in PDF format
 - Ethernet driver and utilities
 - VGA drivers and utilities
 - Audio drivers and utilities
- Cable set includes the followings:
 - 1 PS/2 keyboard and mouse Y cable (6-pin, Mini-DIN)
 - 1 IDE HDD cable (44-pin, pitch 2.0mm)
 - 1 AC to DC adapter
 - Power Cord

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

1. Safety Precautions

1.1 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.

1.2 Caution!



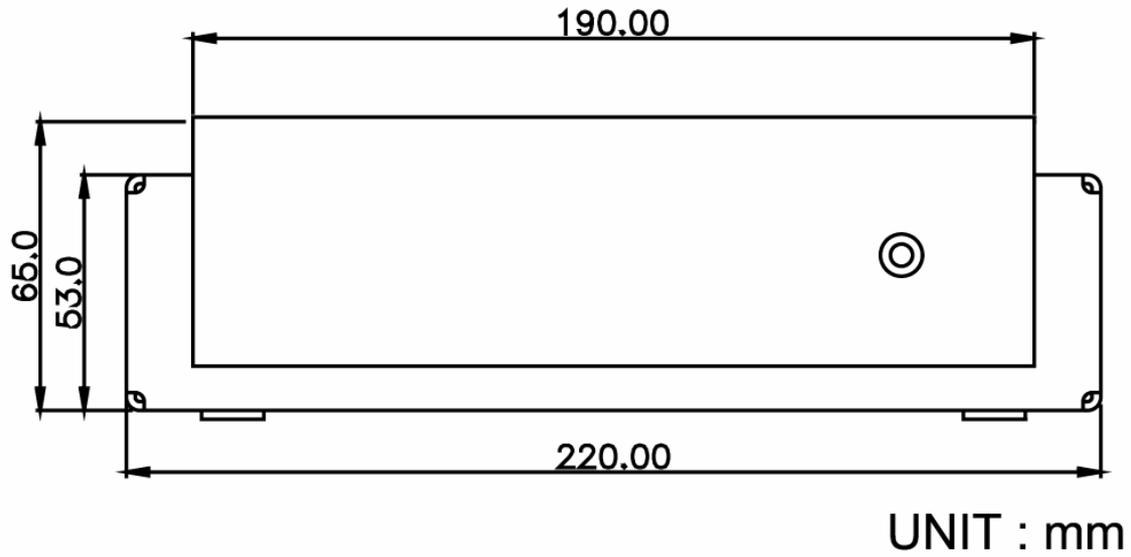
Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded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

2. Specifications

Construction	
CPU	EES-3610B: Onboard VIA Eden ESP6000 667 MHz EES-3610B-E10: Onboard VIA Eden ESP10K 1 GHz
BIOS	Award 512 KB Flash BIOS
System Chipset	VIA TwisterT VT8606/VT82C686B
I/O Chip	VIA VT82C686B
System Memory	One 144-pin SODIMM socket supports up to 512 MB SDRAM
SSD	One CompactFlash Type I/II socket with ejector
Watchdog Timer	Reset: 2~255 sec. and 1 sec./step
Display	VIA VT8606 TwisterT integrated S3 Savage4 2D/3D graphics accelerator with 32 MB display memory
Audio	AC97 Audio
Ethernet	Dual Realtek RTL8139C or optional Intel® 82559/82559ER 100Base-Tx Fast Ethernet controllers
System Indicators	One LED indicator shows power status
HDD	Mounting kit for one 2.5" HDD
External I/O	
COM Port	1 x RS-232, 1 x RS-232/422/485
LAN Port	1 x RJ-45
VGA / LCD Port	1 x DB-15
Audio Port	Mic in, Line in, Line out
USB Port	2 x USB 1.1 ports
Parallel Port	1 x DB-25
Mouse & KB	1 x PS/2 mini DIN
Power Supply Unit	
Power Input	100 ~ 250 Vac / 47 ~ 63 Hz
Power Output	5 Vdc / 8 A
Environment & Mechanical	
Operating Temperature	0~40°C (32~104°F)
Storage Temperature	-20 to +75°C (-4~167°F)
Relative Humidity	5 to 90% @ 40°C (104°F), relative humidity, non-condensing
Dimension (W x H x D)	8.7" x 2.6" x 5.8" (220 mm x 65 mm x 147 mm)
Weight	3.74 lbs (1.7 Kgs)
Mounting	Desktop

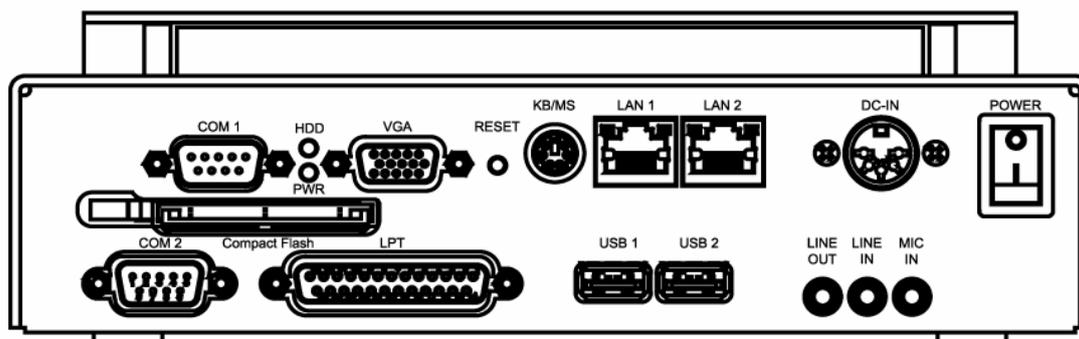
3. System Overview

3.1 Front Panel



Label	Function	Note
LED	System Power Indicator	

3.2 Rear Panel



Label	Function	Note
Compact Flash	CF Type I/II Socket with Ejector	
COM1	Serial port 1	DB-9 male connector
COM2	Serial port 2	DB-9 male connector
DC-IN	DC Power-in plug	
HDD	HDD activity indicator	
KB/MS	Keyboard and PS/2 mouse connector	6-pin mini DIN
LAN1	10/100Base-Tx Ethernet 1 connector	RJ-45
LAN2	10/100Base-Tx Ethernet 2 connector	RJ-45
LINE IN	Line-in audio jack	
LINE OUT	Line-out audio jack	
MIC IN	Mic-in audio jack	
Power	System power switch	
LPT	Printer port	DB-25 female connector
PWR	System power indicator	
RESET	Reset button	
USB1, USB2	Universal Serial Bus connector	
VGA	CRT connector	DB-15 female connector

4. Installation Notice

4.1 Installation Procedure

1. Unplug the power adapter from EES-3610.
2. Make sure all external cables are unattached.
3. Unscrew the front panel.
4. Disassemble the bottom cover for memory installation.
5. Disassemble the top cover for HDD installation.

4.2 Installing DRAM (SODIMM)

1. Remove the bottom cover as photo.
2. Press the SODIMM module right down into the socket, until you hear a click. This is when the two handles have automatically locked the memory module into the correct position of the SODIMM socket (behind the printer cable of Photo 2). To take away the memory module, just push both handles outward, and the memory module will be ejected by the mechanism in the socket.



Photo 1: Disassemble the screw

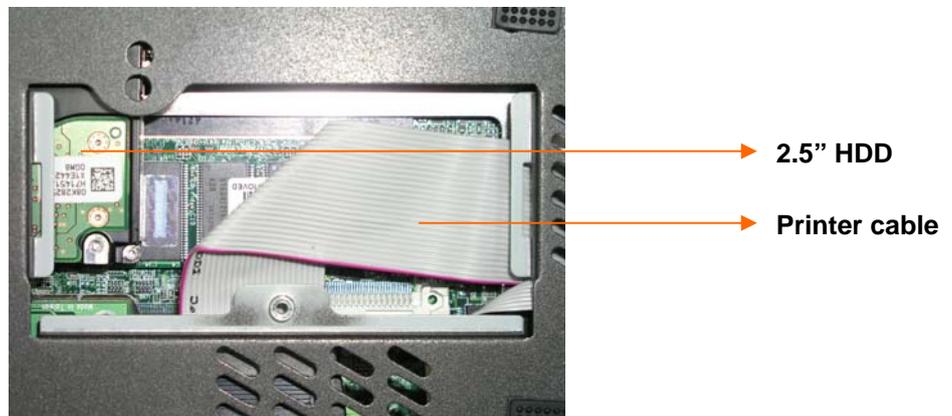
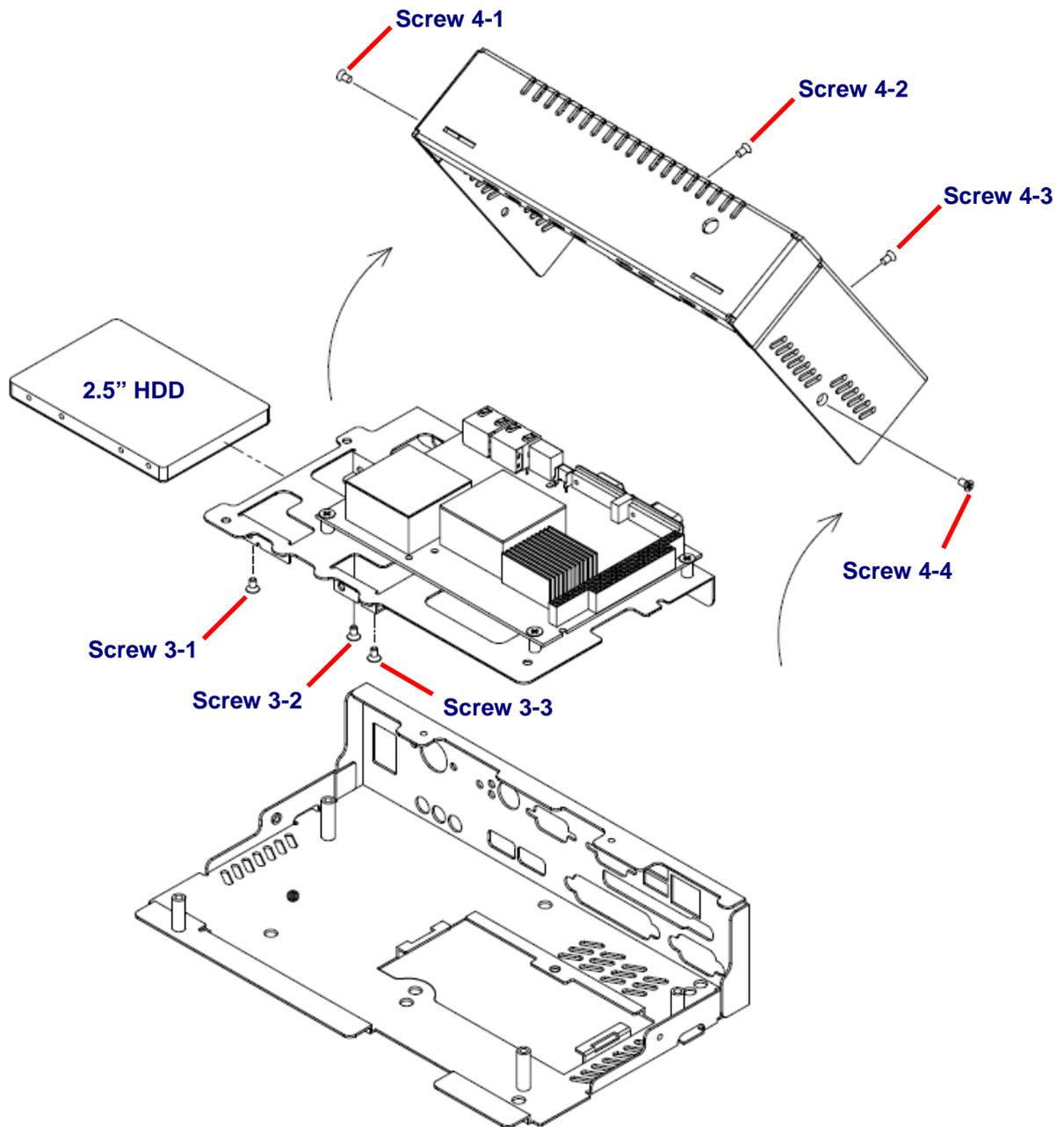


Photo 2: Disassemble both of HDD and Print cable

4.3 Install HDD

Please refer to the diagram as follow.

1. Remove the 4 screws (Screw 4-1/4-2/4-3/4-4) for disassembly the top cover.
2. Fix 2.5" HDD with 3 screws (Screw 3-1/3-2/3-3).



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