Quick Reference Guide

EES-3611

VIA Eden Micro PC

2nd Ed. – 23 December 2005

Part No. 20173611A1R

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 UNDESIRED 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 INSTATLLED 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.

Notice:

This guide is designed for experienced users to setup the system within the shortest time. For detailed information, please always refer to the electronic user's manual.

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1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into body, or (b) support or sustain life and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.
2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

A Message to the Customer

Evalue Customer Services

Each and every Evalue's product is built to the most exacting specifications to ensure reliable performance in the harsh and demanding conditions typical of industrial environments. Whether your new Evalue device is destined for the laboratory or the factory floor, you can be assured that your product will provide the reliability and ease of operation for which the name Evalue has come to be known.

Your satisfaction is our primary concern. Here is a guide to Evalue's customer services. To ensure you get the full benefit of our services, please follow the instructions below carefully.

Technical Support

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. These answers are normally a lot more detailed than the ones we can give over the phone. So 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.evalue-tech.com/

If you still cannot find the answer, gather all the information or questions that apply to your problem, and with the product close at hand, call your dealer. Our dealers are well trained and ready to give you the support you need to get the most from your Evalue's products. In fact, most problems reported are minor and are able to be easily solved over the phone.

In addition, free technical support is available from Evalue's engineers every business day. We are always ready to give advice on application requirements or specific information on the installation and operation of any of our products. Please do not hesitate to call or e-mail us.

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Product Warranty

Evalue warrants to you, the original purchaser, that each of its products will be free from defects in materials and workmanship for two years from the date of purchase.

This warranty does not apply to any products which have been repaired or altered by persons other than repair personnel authorized by Evalue, or which have been subject to misuse, abuse, accident or improper installation. Evalue assumes no liability under the terms of this warranty as a consequence of such events. Because of Evalue's high quality-control standards and rigorous testing, most of our customers never need to use our repair service. If any of Evalue's products is defective, it will be repaired or replaced at no charge during the warranty period. For out-of-warranty repairs, you will be billed according to the cost of replacement materials, service time, and freight. Please consult your dealer for more details. If you think you have a defective product, follow these steps:

1. Collect all the information about the problem encountered. (For example, CPU type and speed, Evalue's products model name, hardware & BIOS revision number, other hardware and software used, etc.) Note anything abnormal and list any on-screen messages you get when the problem occurs.
2. Call your dealer and describe the problem. Please have your manual, product, and any helpful information available.
3. If your product is diagnosed as defective, obtain an RMA (return material authorization) number from your dealer. This allows us to process your good return more quickly.
4. Carefully pack the defective product, a complete Repair and Replacement Order Card and a photocopy proof of purchase date (such as your sales receipt) in a shippable container. A product returned without proof of the purchase date is not eligible for warranty service.
5. Write the RMA number visibly on the outside of the package and ship it prepaid to your dealer.

Packing List

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

- 1 EES-3611 VIA Eden Micro PC (with ECM-3611-E10 inside)
- 1 EES-3611 Quick Reference Guide
- 1 CD-ROM or DVD-ROM contains the followings:
  - ECM-3611 Quick Installation Guide
  - EES-3611 Quick Reference Guide
  - 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

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	Onboard VIA Eden ESP10K 1 GHz
BIOS	Award 512 KB Flash BIOS
System Chipset	VIA CLE266 VT8623/VT8237R
I/O Chip	VIA VT1211
System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR200/266 SDRAM
SSD	One CompactFlash Type I/II socket with ejector
Watchdog Timer	Reset: 2~255 min. and 1 min./step
Display	VIA CLE266 VT8623 with integrated UniChrome 2D/3D graphics with MPEG-2 decoder, and using system memory 64 MB
Audio	AC97 Audio
Ethernet	VIA VT6103 100Base-Tx Fast Ethernet controller
System Indicators	One LED indicator shows power status
HDD	Mounting kit for one 2.5" HDD
External I/O	
COM Port	2 x RS-232
LAN Port	1 x RJ-45
VGA / LCD Port	1 x DB-15
Audio Port	Mic in, Line in, Line out
USB Port	4 x USB 2.0 ports
Parallel Port	1 x DB-25
Mouse & KB	1 x PS/2 mini DIN
Power Supply Unit	
Power Input	100 ~ 250 Vdc / 47 ~ 63 Hz
Power Output	5 Vdc / 5 A, 12 Vdc / 2 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
COM1	Serial port 1	DB-9 male connector
COM2	Serial port 2	DB-9 male connector
Compact Flash	CF type I/II socket with ejector	
DC-IN	DC power-in plug	
HDD	HDD activity indicator	
KB/MS	Keyboard and PS/2 mouse connector	6-pin mini DIN
LAN	10/100Base-Tx Ethernet 1 connector	RJ-45
LINE IN	Line-in audio jack	
LINE OUT	Line-out audio jack	
LPT	Printer port	DB-25 male connector
MIC IN	Mic-in audio Jack	
Power	System power on/off switch	
PWR	System power indicator	
RESET	Reset button	
USB	Universal Serial Bus connectors	4 x USB 2.0
VGA	CRT connector	DB-15 male connector

4. Installation Notice

4.1 Installation Procedure

1. Unplug the power adapter from EES-3611
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).