



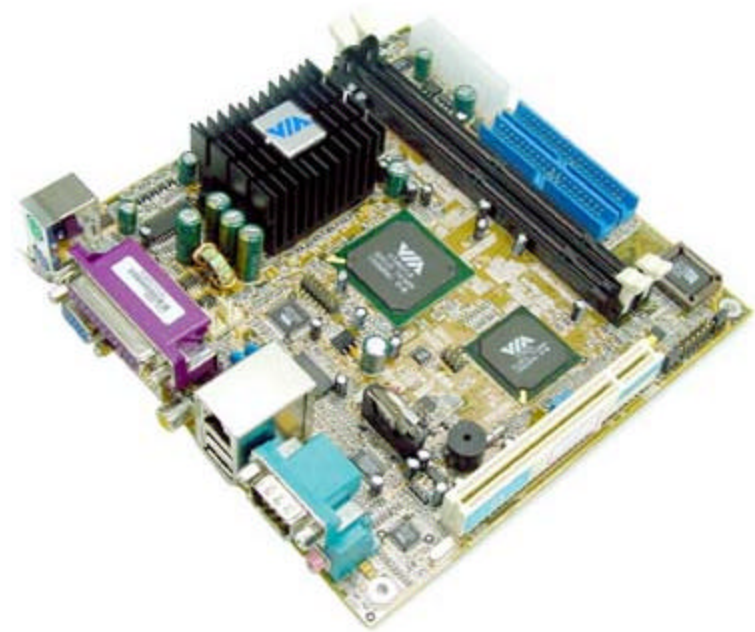
# VIA EPIA Mini-ITX Mainboard

June 13<sup>th</sup>, 2002



# VIA EPIA Mini-ITX Mainboard

- **Revolutionary x86 platform for emerging new generation of energy efficient & ergonomic Digital Information Appliances and Entertainment Devices**



# VIA EPIA Layout

Embedded VIA Eden™  
ESP 5000 processor or  
VIA C3-E™ 800MHz  
processor

ATX Power Supply  
Compliant

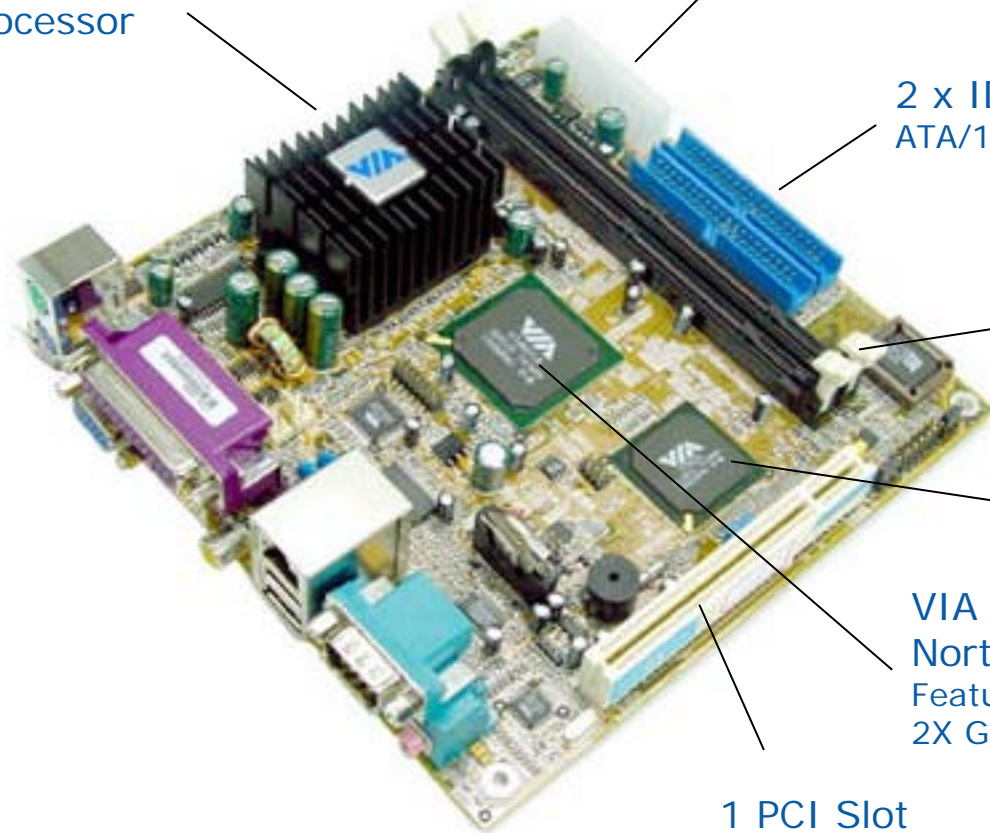
2 x IDE Ports  
ATA/100/66 Support

2 x PC133/100 SDRAM  
DIMM Slots

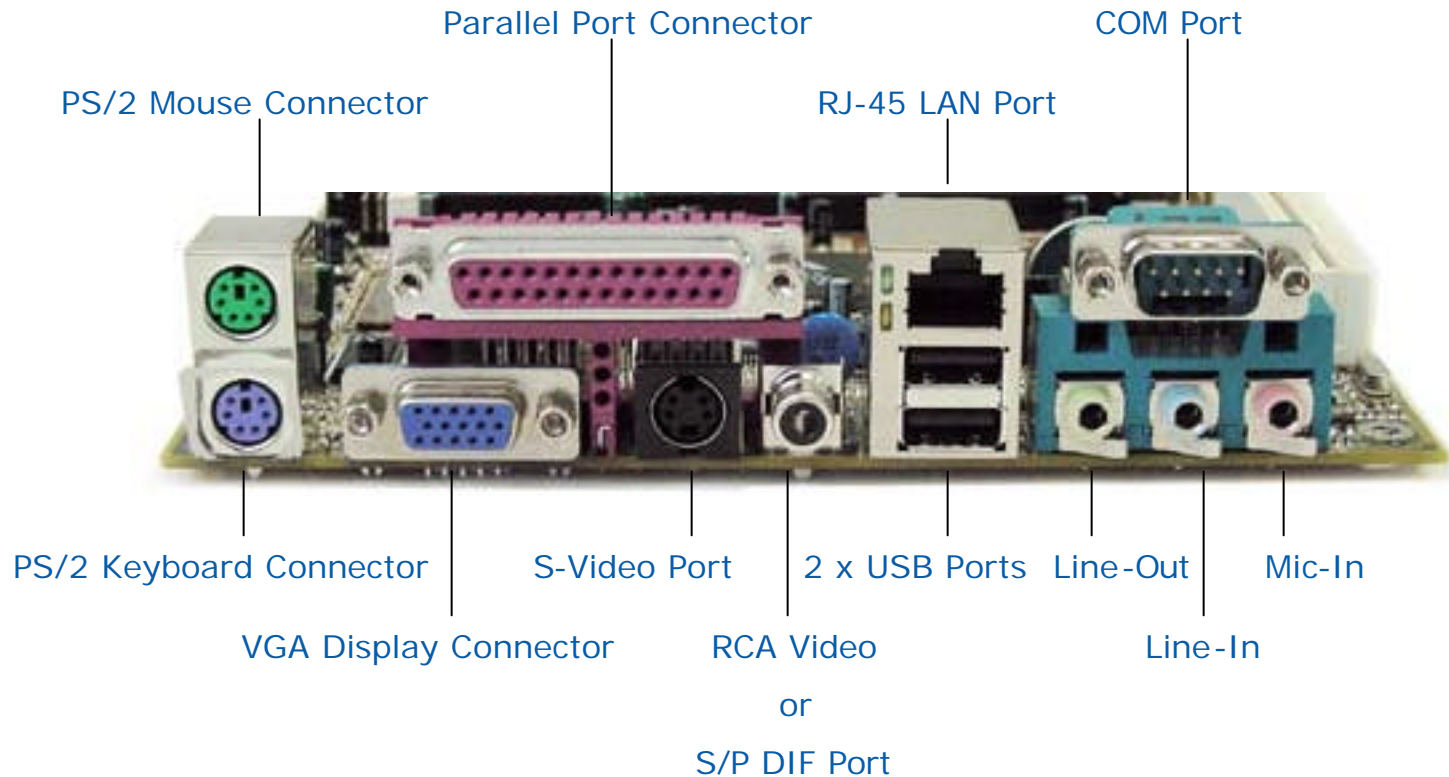
VIA VT8231 South Bridge

VIA Apollo PLE133  
North Bridge  
Featuring Integrated AGP  
2X Graphics

1 PCI Slot



# VIA EPIA I/O Layout



# EPIA Mini-ITX Overview

- VIA Platform Solutions Division (VPSD) produced mainboard based on VIA's open standard Mini-ITX form factor
- Ultra-compact at only 170mm x 170mm!
- Embedded VIA Eden™ ESP 5000 processor or VIA C3-E™ 800MHz processor
- Fully integrated solution: CPU, Graphics, Ethernet, USB, audio, TV out all integrated
- Fully compatible with Windows and Linux operating systems
- Supports standard ATX power supplies and chassis



# EPIA Processor SKUs

## EPIA - 5000



- VIA Eden™ ESP 5000 Processor
- Fanless Operation
- 1.2v Operating Voltage
- 128KB L1 Cache & 64KB L2 Cache
- MMX and 3DNow!



Suitable for fanless systems with low heat and ultra low-power requirements

## EPIA - 800



- VIA C3-E™ 800 MHz Processor
- 1.35v Operating Voltage
- 128KB L1 Cache & 64KB L2 Cache
- MMX and 3DNow!



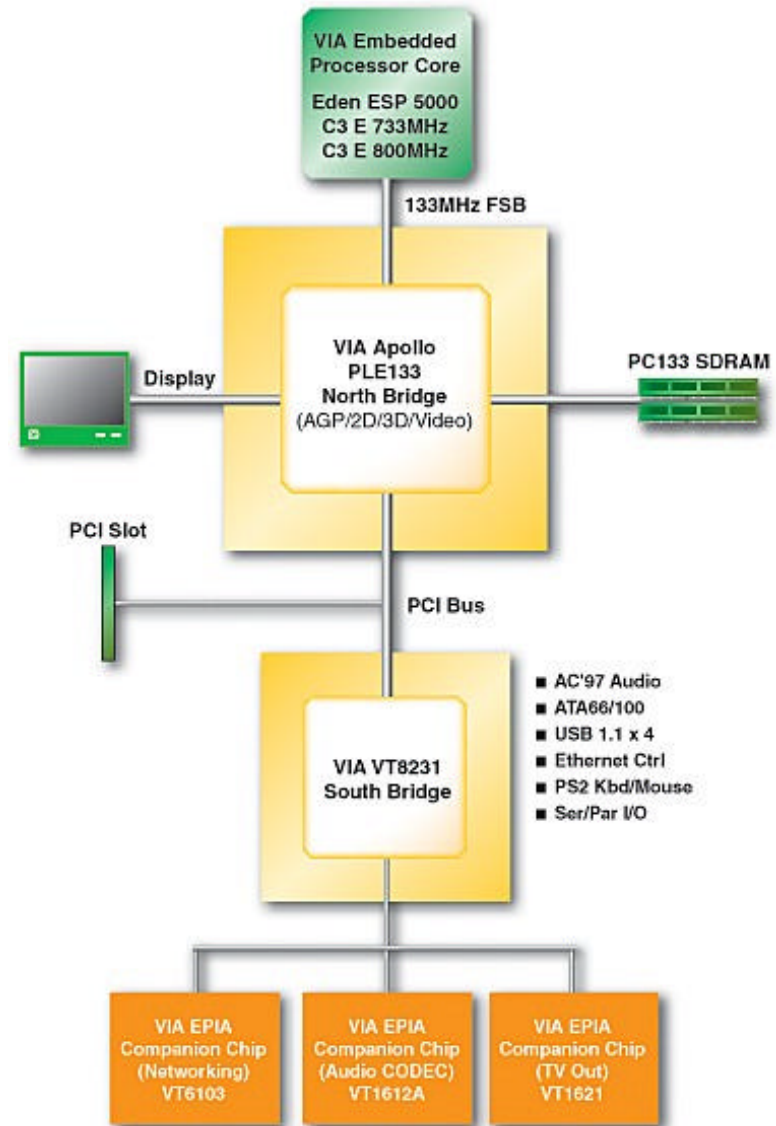
Suitable for compact systems running more multimedia applications





# VIA EPIA Key Components

- The feature rich VIA EPIA Mini-ITX Mainboard consists entirely of VIA Silicon Building Blocks
- Leverages x86 PC infrastructure for significantly lower costs, proven compatibility, and incomparable third party support



# What the Media are Saying



"Considering what you get on the board, this makes stunning value for money and a lot of sense in the education sector." The VIA EPIA Mini-ITX Mainboard receives a score of 9 out of 10 and wins the coveted PC PowerZone 'Recommended' award.



"...full-screen playback of DVD discs and DivX videos was silky smooth. 2D and video quality improvements were VERY welcome, but there was an other added bonus: the quality of the sound output was easily enough for most speaker systems."



"The amount of hardware that VIA has been able to integrate onto such a small form factor is amazing...it handled everything I asked it to do adequately. Even the high requirements demanding WindowsXP ran just fine."



"...you'd be surprised at how much VIA has integrated on this motherboard – the actual PCB is tiny (you could, for instance, hold the entire motherboard between your index finger and thumb), but almost everything you need to get your computer up and running is included."



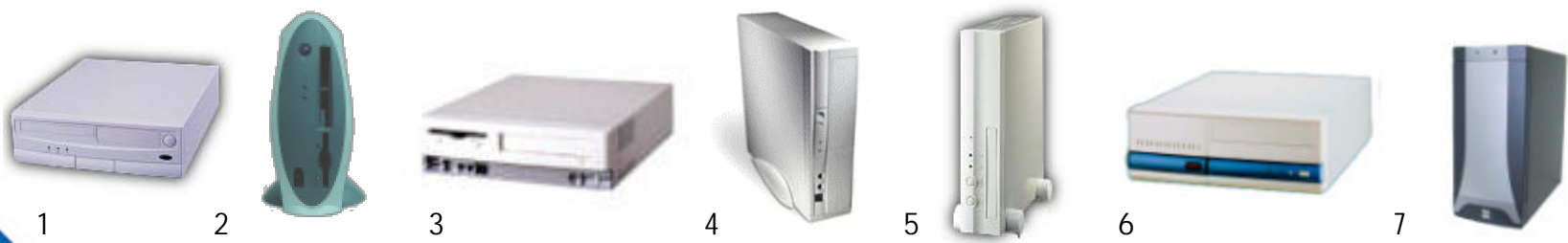


# EPIA Compatible Chassis

## Chassis and Power Supply contacts

Case	Supplier	Model	Dimensions	Driver Bays	P/S	Website	Contact
1	Yeong Yang	YY9201	28.8 x 34 x 8.8 cm	5 1/4" Slim CD? 3 1/2" FDD 3 1/2" HDD	135 W	www.yeongyang.com	John Lee john_lee@yeongyang.com.tw Tel: 886-2-3234-0020
2	Yeong Yang	YY9301	38x 34 x 13.5 cm	5 1/4" Slim CD?? 3 1/2" FDD 3 1/2" HDD	135 W	www.yeongyang.com	John Lee john_lee@yeongyang.com.tw Tel: 886-2-3234-0020
3	Chenbro	PC706	40.8 x 30.5 x 8.8 cm	5 1/4" CD?? 3 1/2" FDD 3 1/2" HDD	120 W	www.chenbro.com.tw	Arnold Huang arnoldhuaung@chenbro.com.tw Tel: 886-2-8226-5500
4	Casetek	CK-166	38 x 30.8 x 8.8cm	5 1/4" CD?? 3 1/2" FDD 3 1/2" HDD	170 W	www.casetek.com.tw	Edward Hung Edward@casetek.com.tw Tel: 886-3-311-6570
5	Morex	Cupid 2677	29.5 x 25 x 6.4 cm	5 1/4" Slim CD? 3 1/2" HDD	DC-DC (12V input)	www.procace.com.tw	Steven Lin steven@procace.com.tw Tel: 886-2-2985-8063
6	G-Atlantic	GA610F	32 x 27x 9.5 cm	5 1/4" CD? 3 1/2" FDD 3 1/2" HDD	150 W	www.g-alantic.com.tw	Colin Chang Colin@g-alantic.com.tw Tel: 886-2-2264-5846
7	Dempsey	EP-101	28.5 x 12.2 x 27.2 cm	5 1/4" CD? 3 1/2" HDD	150 W	www.dempsey.com.tw	Terry Chiang terry@dempsey.com.tw Tel: 886-2-8512-4238

Designed for Mini-ITX!



# EPIA Mini-ITX Accessories

## Expansion Modules

### PCI Riser Cards

- 1-to-2 PCI riser card available from VIA VPSD
- 1-to-1 PCI riser card from third party vendor

### MPEG-2/4 Decoder Card

- Supports Sigma Designs based MPGEII/IV decoder cards through Video In Port
- Reference design available from Sigma Designs

### USB Port 3 and 4 Adapter

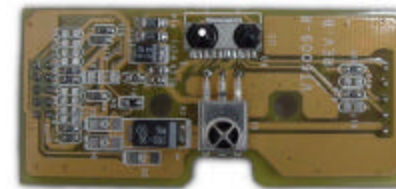
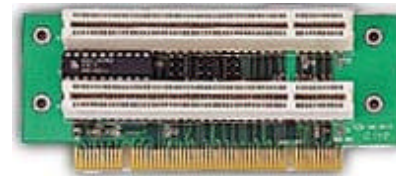
- Support for 3rd and 4th USB ports
- Third party solution available
- VIA reference design available

### CIR Adapter

- CIR support through onboard pin headers
- Third party module available

### FIR module

- FIR support through onboard pin headers
- Reference design available



# EPIA Mini-ITX Accessories

## Contacts:

Accessory	Supplier	Model	Contact
<b>1 to 1 PCI Riser Card</b>	Jin Maon	JM101, 102, 107, 108	Jack Chang jackch0208@sinamail.com Tel: 886-2-2221-5815
	MEGA Raid ( <a href="http://www.pcber.com.tw">www.pcber.com.tw</a> )	PCI 103-L, PCI 103-H, PCI 106-L, 106-H	Mick Liu pcber@ms39.hinet.net Tel: 886-2-2296-2083
<b>1 to 2 PCI Riser Card</b>	VIA VPSD ( <a href="http://www.viavpsd.com">www.viavpsd.com</a> )	Ext-PCI	VIA Sales Representative
<b>MPEG-2/4 Decoder (Reference Design)</b>	Sigma Designs	N/A	Peter Hsu peter_hsu@sdesigns.com Tel: 886-2-2698-2066
<b>USB Port 3/4 Module</b>	Jin Maon	JM278	Jack Chang jackch0208@sinamail.com Tel: 886-2-2221-5815
<b>FIR Module (Reference Design)</b>	VIA VPSD ( <a href="http://www.viavpsd.com">www.viavpsd.com</a> )	N/A	VIA Sales Representative
<b>CIR Module</b>	Forward ( <a href="http://www.fwd.com.tw">www.fwd.com.tw</a> )	FK33 (receiver card) FK66 (Wireless Keyboard), CR40CF (Wireless Remote)	Joe Chiang chiangtl@fwd.com.tw Tel: 886-2-2673-0411

