

## Mini-ITX Series

# VIA EPIA EN

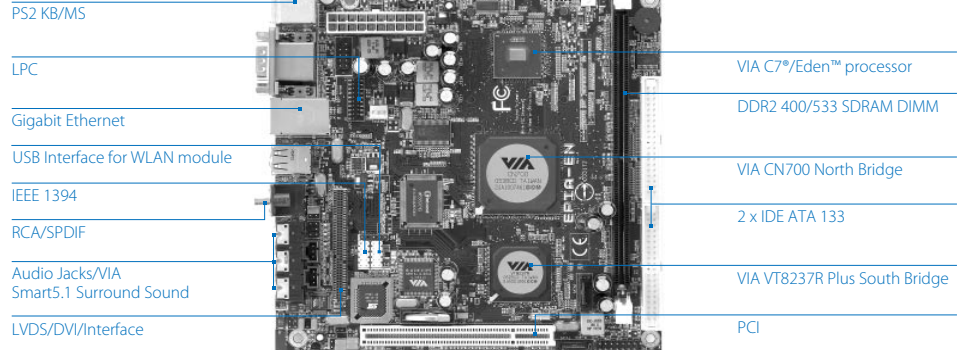
Mini-ITX C7®/Eden™ Board  
with MPEG-2, HDTV &  
GigaLAN

## Features

- Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration
- Supports DDR2 400/533 SDRAM
- Supports Gigabit Ethernet
- Supports HDTV resolution (through the component connector)
- Supports IEEE 1394
- Supports two SATA



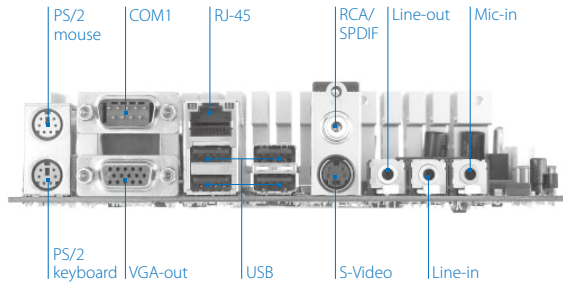
## Board Placement



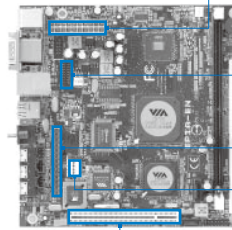
## Specifications

Model Name	EPIA EN15000G	EPIA EN1200EG
<b>Processor</b>	1.5GHz VIA C7®	1.2GHz VIA Eden™
<b>Chipset</b>	VIA CN700 North Bridge VIA VT8237R Plus South Bridge	
<b>System Memory</b>	1 x DDR2 400/533 DIMM slot Up to 1GB memory size	
<b>VGA</b>	Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration	
<b>Expansion Slot</b>	1 x PCI slot	
<b>Onboard IDE</b>	2 x UltraDMA 133/100/66 connectors	
<b>Onboard LAN</b>	1 x VIA VT6122 Gigabit Ethernet controller	
<b>Onboard Audio</b>	VIA VT1618 Multi-channel AC'97 Codec	
<b>Onboard TV-out</b>	VIA VT1625M HDTV Encoder	
<b>Onboard IEEE1394</b>	VIA VT6307S IEEE 1394 Firewire	
<b>Onboard I/O Connectors</b>	1 x USB connector for 2 additional USB 2.0 ports 1 x IEEE1394 connector 1 x SIR connector (IRDA 1.0) 2 x SATA connectors 1 x Serial port connector for a second COM port 1 x LPC connector 1 x SMBus connector 1 x Component (YPbPr) video connector 1 x LVDS/DVI module connector, for 18/24-bit dual channel LVDS panel (an add-on card is required) 1 x CIR connector (switchable for KB/MS) 2 x S/PDIF connectors (S/PDIF-in and S/PDIF-out) 1 x Front panel connector 1 x Front panel audio connector for Line-out and Mic-in 2 x Fan connectors for CPU and system fans 1 x ATX power connector	
<b>Back Panel I/O</b>	1 x PS2 mouse port 1 x PS2 keyboard port 1 x Serial port 1 x VGA port 1 x RJ-45 LAN port 4 x USB 2.0 ports 1 x RCA port (S/PDIF or TV out) 1 x S-Video port 3 x Audio jacks: Line-out, Line-in and Mic-in (horizontal, Smart 5.1 Support)	
<b>BIOS</b>	Award BIOS LPC 4/8Mbit flash memory	
<b>Operating System</b>	Windows 2000/XP, Linux, Win CE, XPe	
<b>Operating Temperature</b>	0° C - 50° C	
<b>Operating Humidity</b>	0% ~ 95% (relative humidity; non-condensing)	
<b>Software Application</b>	VIA FliteDeck™ Suite ■ MissionControl-H/W Monitoring, Remote SNMP Management ■ FlashPort-Live BIOS Flash ■ SysProbe-Live DMI Browser	

## Back Panel I/O



## Accessories



**PWB-M120**  
DC-DC power board:  
12-24V input/120W output



**LPC-01**  
Expansion module for 4  
5V/12V COM ports



**LPC-02**  
Expansion module for 2  
RS232 and 2 RS232/422/485



**DVI-03**  
Support DVI monitor



**LVDS-07**  
Support 18/24 bit  
LCD panel display



**WLAN USB Module**  
802.11 b/g standards



**EXT-PCI**  
1 to 2 PCI riser card

## Specifications

### System Monitoring & Management

CPU voltage monitoring, FAN control  
Wake-on LAN, Keyboard Power-on, Timer Power-on, Watch Dog Timer  
System power management, AC power failure recovery

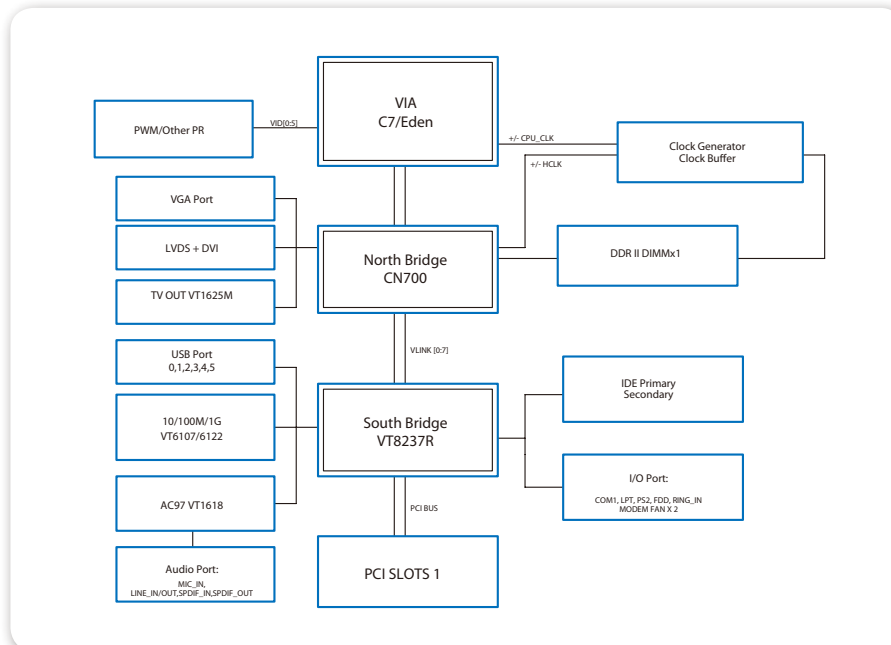
### Form Factor

Mini-ITX (6-layer)  
17 cm x 17 cm

## Ordering Information

Model Name	CPU Frequency	Description
EN15000G	1.5GHz C7®	Mini-ITX Board with 1.5GHz C7®, VGA, LVDS/DVI, TV-out, USB, 1394, GigaLAN, COM, IDE & SATA
EN12000EG	1.2GHz Eden™	Mini-ITX Board with 1.2GHz Eden™, VGA, LVDS/DVI, TV-out, USB, 1394, GigaLAN, COM, IDE & SATA

## Block Diagram



## Packing List

### Items

- 1 x ATA-66/100/133 IDE ribbon cable
- 1 x General installation guide
- 1 x I/O bracket