

Mini-ITX Series

VIA EPIA EN

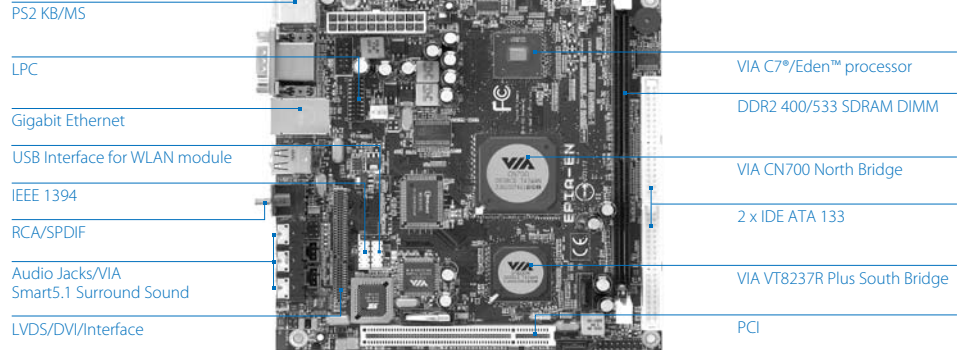
Mini-ITX NanoBGA2 C7®/
Eden™ Board with MPEG-2,
HDTV & GigaLAN

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



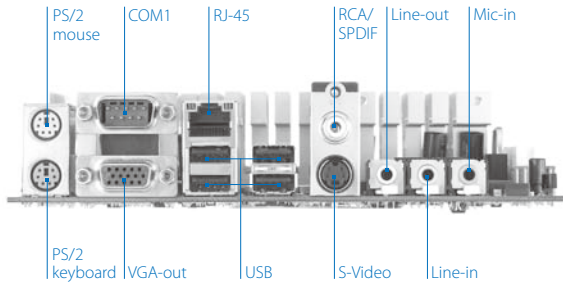
Board Placement



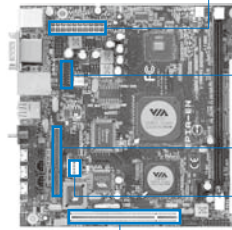
Specifications

Model Name	EPIA EN15000G	EPIA EN12000EG
Processor	VIA C7® 1.5GHz NanoBGA2	VIA Fanless Eden™ 1.2GHz NanoBGA2
Chipset	VIA CN700 North Bridge VIA VT8237R Plus South Bridge	
System Memory	1 x DDR2 400/533 DIMM slot Up to 1GB memory size	
VGA	Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration	
Expansion Slot	1 x PCI slot	
Onboard IDE	2 x UltraDMA 133/100/66 connectors	
Onboard LAN	1 x VIA VT6122 Gigabit Ethernet controller	
Onboard Audio	VIA VT1618 Multi-channel AC'97 Codec	
Onboard TV Out	VIA VT1625M HDTV Encoder	
Onboard IEEE1394	VIA VT6307S IEEE 1394 Firewire	
Onboard I/O Connectors	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 SPDIF 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	
Back Panel I/O	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)	
BIOS	Award BIOS LPC 4/8Mbit flash memory	
Operating System	Windows 2000/XP, Linux, Win CE, XPe	
Operating Temperature	0° C - 50° C	
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)	
Software Application	VIA FliteDeck™ Suite <ul style="list-style-type: none"> ■ 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

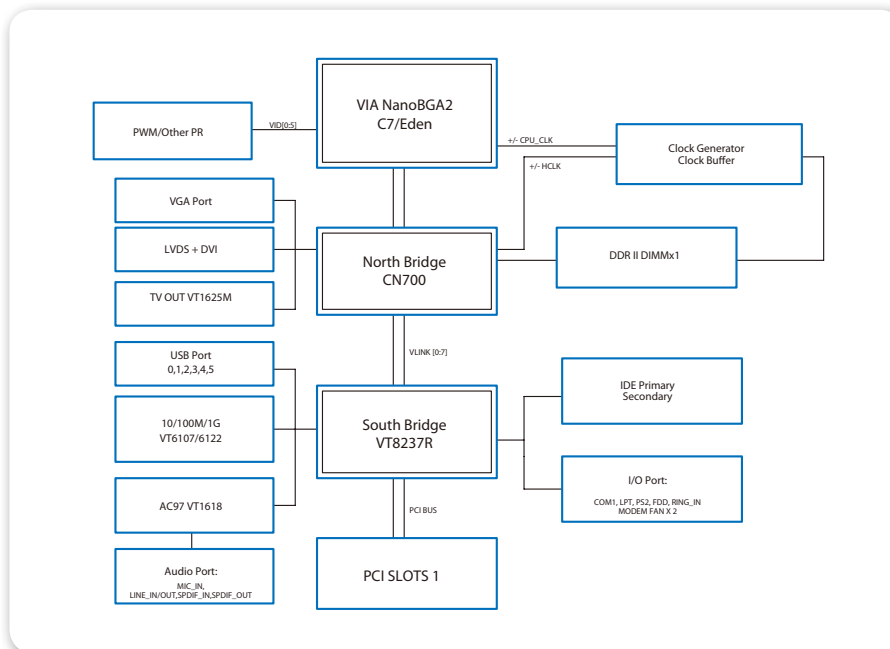
Specifications

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	C7® 1.5GHz	Mini-ITX Board with C7® 1.5GHz, VGA, LVDS/DVI, TV-out, USB, 1394 , GigaLAN, COM, IDE & SATA
EN12000EG	Eden™ 1.2GHz	Mini-ITX Fanless Board with Eden™ 1.2GHz, 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