

Mini-ITX Series

VIA EPIA LN

Mini-ITX NanoBGA2 C7®
Entry-level Board with
MPEG-2 & Optional TV-out

Features

- Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration
- Supports DDR2 533 SDRAM
- Supports two SATA
- Supports one 10/100Mbps Ethernet
- Supports eight USB 2.0 (six in pin connectors)
- Supports TV out (SDTV resolution)



Board Placement

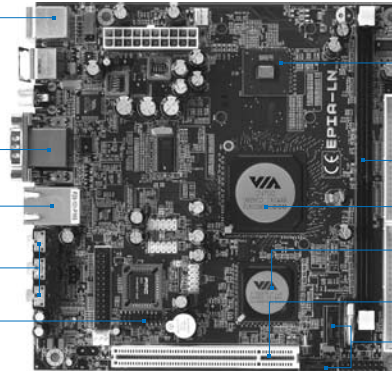
PS2 KB/MS

1 x RS232
1 x VGA

10/100 Mbps Ethernet

Audio jacks

LPC



VIA C7® 1.0GHz

2 x IDE ATA 133/100

DDR2 533 DIMM slot

VIA CN700 North Bridge

VIA VT8237R Plus South Bridge

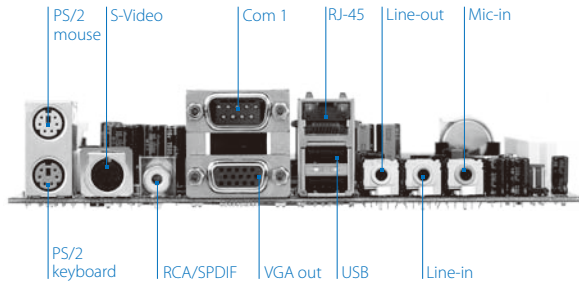
PCI

2 x SATA

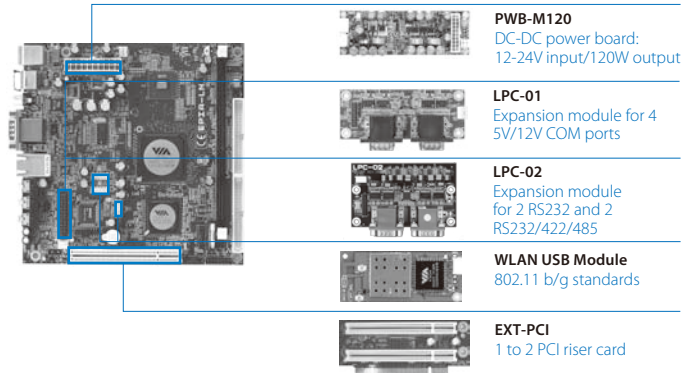
Specifications

Model Name	EPIA LN10000EG	EPIA LN10000EAG
Processor	VIA Fanless C7® 1.0GHz NanoBGA2	
Chipset	VIA CN700 North Bridge VIA VT8237R Plus South Bridge	
System Memory	1 x DDR2 533 DIMM socket	
Onboard TV out	VIA VT1622AM SDTV Encoder	N/A
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	VIA VT6103L 10/100 Mbps Ethernet PHY	
Onboard Audio	VIA VT1618 8-channel AC'97 Codec	
Onboard I/O Connectors	3 x USB pin connectors for 6 additional USB 2.0 ports 1 x FIR connector 2 x SATA connectors 1 x LPC connector 1 x LPT connector 1 x SMBus connector 1 x Buzzer 1 x S/PDIF-out connector (optical) 1 x CIR connector (switchable for KB/MS) 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 S-Video port (optional) 1 x RCA port for composite TV out (optional) or S/PDIF (coaxial) 1 x Serial port 1 x VGA port 1 x RJ-45 LAN port 2 x USB 2.0 ports 3 x Audio jacks: Line-out, Line-in and Mic-in (horizontal, Smart 5.1 Support)	
BIOS	Award BIOS LPC 2/4/8Mbit flash memory	
Operating System	Windows XP, Linux, Win CE, XPe	
System Monitoring & Management	System voltage monitoring CPU voltage monitoring, Timer power-on, Wake-on LAN/KB/MS AC power failure recovery	
Operating Temperature	0°C up to 50°C	
Operating Humidity	0% ~ 95% (relative humidity ; non-condensing)	
Form Factor	Mini-ITX (4-layer) 17 cm x 17 cm	

Back Panel I/O



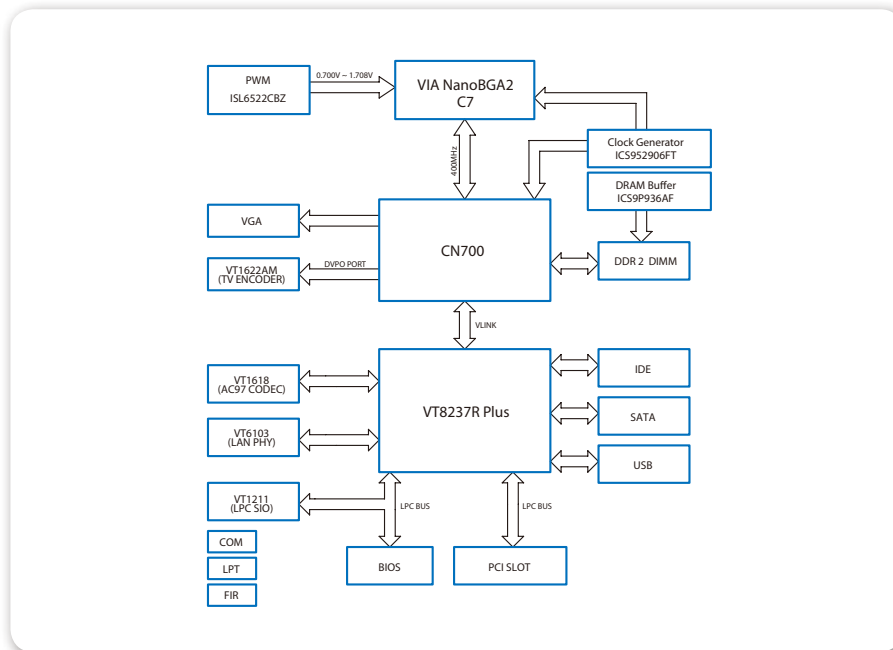
Accessories



Ordering Information

Model Name	CPU Frequency	Description
LN10000EG	C7® 1.0GHz	Mini-ITX Fanless Board with C7® 1.0GHz, VGA, TV-out, USB, LAN, IDE & SATA
LN10000EAG	C7® 1.0GHz	Mini-ITX Fanless Board with C7® 1.0GHz, VGA, USB, LAN, IDE & SATA

Block Diagram



Packing List

Items
1 x ATA-66/100/133 IDE ribbon cable
1 x General Installation guide
1 x Driver Utility CD
1 x I/O bracket