

Mini-ITX Series

VIA EPIA EK

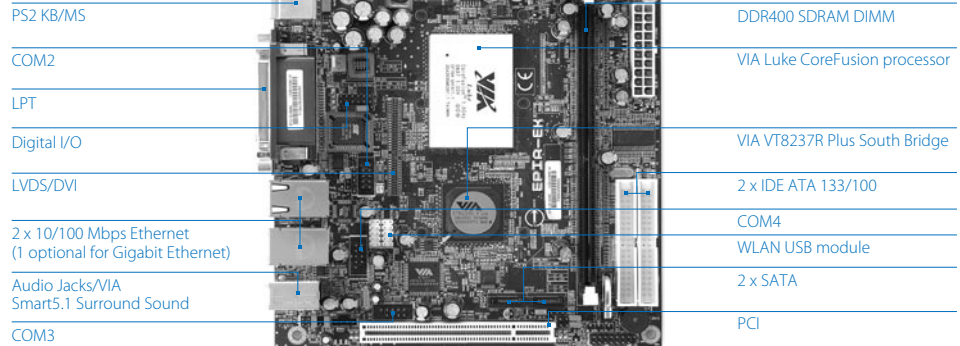
Mini-ITX Luke Board with
MPEG-2 & 4, 4 COM Ports &
Dual LAN

Features

- Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2/4 decoding acceleration
- Supports DDR400 SDRAM
- Supports Digital I/O, four pairs of GPIO
- COM 2/3/4 with 5V/12V VCC Select
- Supports dual LAN (with one Gigabit Ethernet in option)
- Supports two SATA



Board Placement

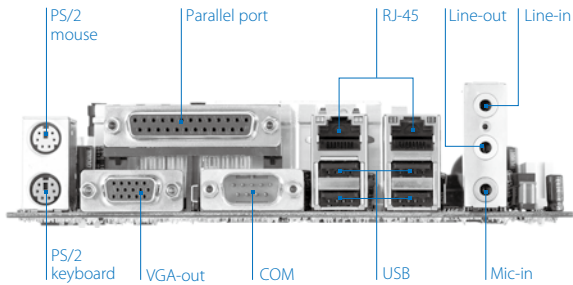


Specifications

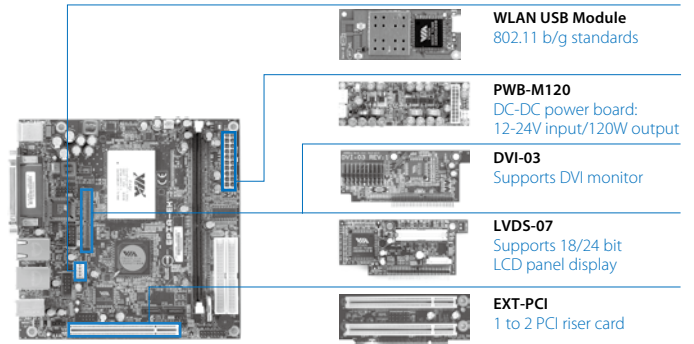
Model Name	EPIA EK10000G	EPIA EK10000LG*	EPIA EK8000EG	EPIA EK8000ELG*
Core Logic	1.0GHz VIA Luke	1.0GHz VIA fanless Luke	800MHz VIA fanless Luke	800MHz VIA fanless Luke
	VIA VT8237R Plus South Bridge	VIA VT8237R Plus South Bridge	VIA VT8237R Plus South Bridge	VIA VT8237R Plus South Bridge
Onboard LAN	VIA VT6103L 10/100Mbps Ethernet PHY	VIA VT6103L 10/100Mbps Ethernet PHY	VIA VT6103L 10/100Mbps Ethernet PHY	VIA VT6103L 10/100Mbps Ethernet PHY
	VIA VT6107 10/100Mbps Ethernet controller	VIA VT6122 Gigabit Ethernet controller	VIA VT6107 10/100Mbps Ethernet controller	VIA VT6122 Gigabit Ethernet controller
System Memory	1 x DDR400 DIMM slot Up to 1GB memory size			
VGA	Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2/4 decoding acceleration			
Expansion Slot	1 x PCI slot			
Onboard IDE	2 x UltraDMA 133/100/66 connectors			
Onboard Audio	VIA VT1618 8 channel AC'97 Codec			
Onboard Serial ATA	2 x SATA connectors			
Onboard I/O Connectors	2 x USB connectors for 4 additional USB 2.0 ports 1 x SIR connector 3 x Serial port connectors for COM2/3/4 (5V/12V selectable) 1 x Buzzer 1 x Digital I/O connector 1 x WP connector for BIOS flash 1 x SMBus connector 1 x LVDS/DVI/TTL module connector, for 18/24-bit dual channel LVDS panel (an add-on card is required) 1 x CD audio-in connector 1 x CIR connector (switchable for KB/MS) 1 x Front panel audio connector for Line-out and Mic-in 1 x Front panel connector 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 Parallel port 1 x VGA port 1 x Serial port 2 x RJ-45 LAN ports 4 x USB 2.0 ports 3 x Audio jacks: Line-out, Line-in and Mic-in (vertical, Smart 5.1 support)			
BIOS	Award BIOS LPC 4/8Mbit flash memory			
Operating System	Windows 2000/XP, Linux, Win CE, XPe			
Software Application	VIA FliteDeck™ Suite <ul style="list-style-type: none"> ■ FlashPort-Live BIOS Flash ■ MissionControl-H/W Monitoring Remote SNMP Management ■ SysProbe-Live DMI Browser 			

* Minimum order quantity is required.

Back Panel I/O



Accessories



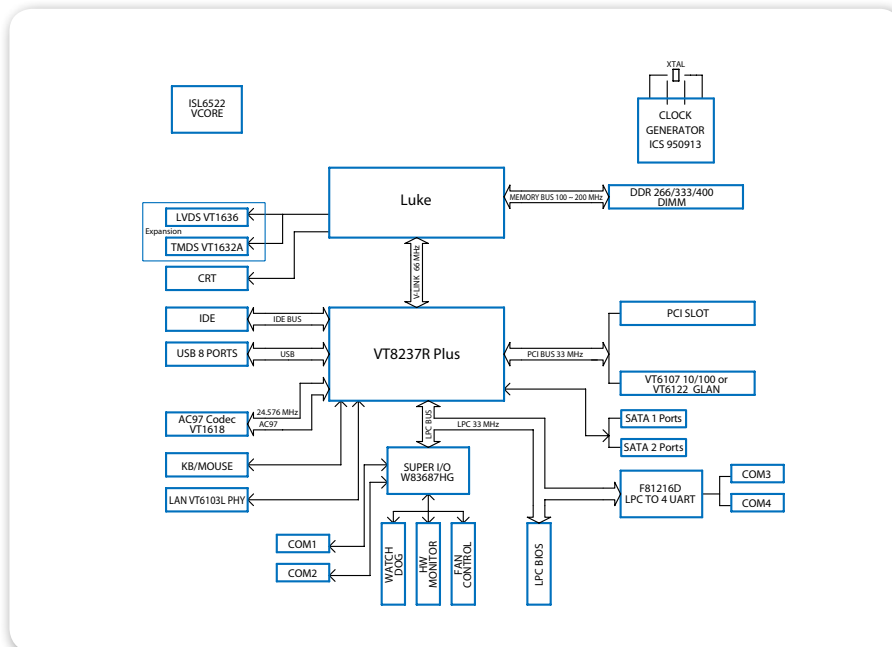
Specifications

System Monitoring & Management	Wake-on LAN, Keyboard Power-on, Timer Power-on, Watch Dog Timer CPU temperature reading, CPU voltage monitoring, FAN control System power management, AC power failure recovery
Operating Temperature	0°C - 50°C
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)
Form Factor	Mini-ITX (6-layer) 17 cm x 17 cm

Ordering Information

Model Name	CPU Frequency	Description
EK10000G	1.0GHz Luke	Mini-ITX Board with 1.0GHz Luke Processing Unit, VGA, USB, 4 x COM, LPT, Dual LAN, LVDS, 4 x GPI & 4 x GPO, IDE, SATA
EK8000EG	800MHz Luke	Mini-ITX Fanless Board with 800MHz Luke Processing Unit, VGA, USB, 4 x COM, LPT, Dual LAN, LVDS, 4 x GPI & 4 x GPO, IDE, SATA
EK10000LG	1.0GHz Luke	Mini-ITX Board with 1.0GHz Luke Processing Unit, VGA, USB, 4 x COM, LPT, Fast Ethernet & GigaLAN, LVDS, 4 x GPI & 4 x GPO, IDE, SATA
EK8000ELG	800MHz Luke	Mini-ITX Fanless Board with 800MHz Luke Processing Unit, VGA, USB, 4 x COM, LPT, Fast Ethernet & GigaLAN, LVDS, 4 x GPI & 4 x GPO, 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