



999.00 EUR

incl. 19% VAT, plus shipping

• **Fanless !**

The VIA EPIA EK Mini-ITX mainboard is available with the 1GHz or fanless 800MHz VIA Luke CoreFusion™ processor platform and boasts a rich array of connectivity and digital media features to make possible a new generation of bandwidth efficient network devices focused on digital media applications.

Integrated into the VIA Luke CoreFusion™ processor platform is a host of digital media features including the VIA UniChrome™ IGP Pro graphics processor with MPEG-2/4 hardware decoding acceleration to enable smooth playback and transmission of digital media, as well as the VIA Vinyl VT1618 6-channel audio with VIA Smart5.1 Surround sound. Hardware security is available too, with the VIA PadLock Security Engine. Designed to offer real-time military-grade protection of data stored and exchanged, the VIA PadLock Security Engine enables developers to offload the computational process involved in complex encryption algorithms, freeing processor loading to handle more data faster.

Offering a flexible upgrade path from previous generations of VIA EPIA Mini-ITX mainboards, the VIA EPIA EK Mini-ITX mainboard sets new standards for flexibility and connectivity with dual LAN support that includes the option for a single Gigabit Ethernet port, as well as up to four COM and eight USB ports, a printer port, a PCI port, and Digital I/O (4 GPI/GPO). The mainboard also boasts both Serial and Parallel ATA support and utilizes DDR400 memory.

The VIA EPIA EK Mini-ITX has a maximum power consumption of just 19W, and is fully compatible with all Mini-ITX, FlexATX and MicroATX chassis and associated accessories such as the new VIA 120W DC-DC converter, external PCI riser card, VIA DVI interface and VIA LVDS panel support module, and is compatible with Microsoft® Windows® 2000/XP, XPe and CE, as well as Linux, making it the ideal platform for developers to create energy efficient always-on network based devices for digital media applications.

VIA EPIA EK-Series Mini-ITX Mainboard Specifications

Model Name

- VIA EPIA EK10000G (1.0GHz VIA Luke CoreFusion™ Processor)
- VIA EPIA EK8000EG (800MHz VIA Luke CoreFusion™ Processor)

Chipset

- VT8237R Series South Bridge

System Memory

- 1 DDR 400 DIMM Socket
- Up To 1GB Memory Size

VGA

- Integrated VIA UniChrome™ Pro AGP Graphics with MPEG-2/4 Decoding Acceleration

Expansion Slots

- 1 PCI Slot

Onboard IDE

- 2 UltraDMA 133/100/66 Pin Connectors

Onboard LAN

- Fast Ethernet Controller (default) or optional VT6122 Gigabit Ethernet Controller

Onboard Audio

- VIA VT1618 AC'97 Codec with 6-channel Support

Onboard I/O Connectors

- 2 USB pin connector for 4 additional USB 2.0 ports
- 2 SATA connectors
- 1 Buzzer
- 1 CD Audio-in pin connector
- 1 Digital I/O pin connector
- 1 SM bus pin connector
- 1 Front-panel audio pin connector for MIC-in and Line-out
- 1 WP pin connector for BIOS flash
- 3 Serial port pin connectors for COM2/3/4 (5V/12V selectable)
- 1 CIR pin connector (switchable for KB/MS)
- 1 SIR pin connector
- 2 Fan pin connectors for CPU and System fans
- 1 LVDS/DVI module female header
- ATX power connector

Back Panel I/O

- 1 PS2 mouse port
- 1 PS2 keyboard port
- 1 Parallel port
- 1 Serial port
- 1 VGA port
- 2 RJ-45 LAN ports
- 4 USB 2.0 ports
- 3 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™ Luxurious Utility
- MissionControl-H/W Monitoring, Remote SNMP Management
- FlashPort-Live BIOS Flash
- SysProbe-Live DMI Browser

System Monitoring & Management

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

Operating Temperature

- 0 ~ 50 ° C

Operating Humidity

- 0% ~ 95% (relative humidity; non-condensing)

Form Factor

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