

Nano-ITX Series

VIA

EPIA-N800

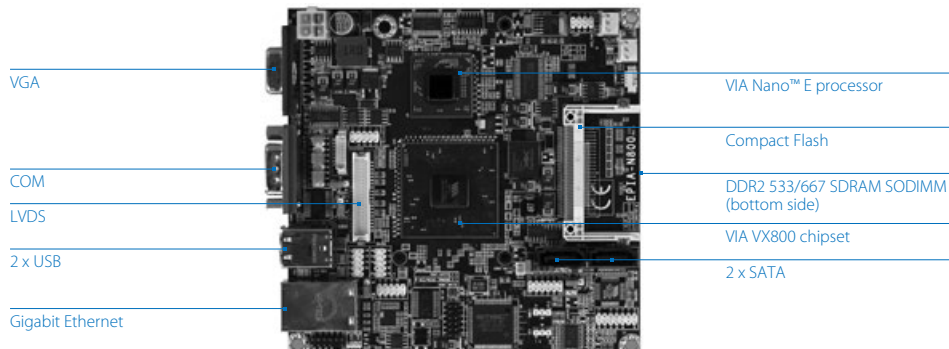
Nano-ITX Nano™ E Board
with MPEG-2, WMV9, VGA,
LVDS, CF & GigaLAN

Features

- Integrated VIA Chrome™9 HC3 DX9 3D/2D graphics with MPEG-2 and WMV9 decoding acceleration
- Supports DDR2 533/667 SDRAM (SODIMM)
- Supports two SATA
- Supports one PCIe Gigabit Ethernet
- Supports one CF (Compact Flash)
- Supports one VGA port
- Supports four USB 2.0 ports (two as pin headers)
- Supports four COM ports (three as pin headers)
- Onboard LVDS support: one dual channel LVDS panel support
- Supports HD audio



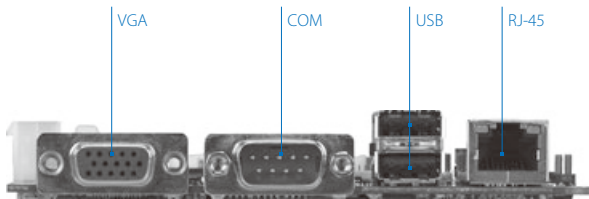
Board Placement



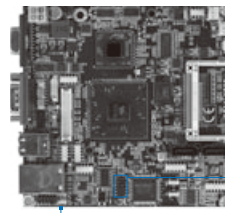
Specifications

Model Name	EPIA-N800-13	EPIA-N800-10E
Processor	1.3GHz VIA Nano™ E	1.0GHz VIA Nano™ E
Chipset	VIA VX800 Unified Digital Media IGP chipset	
System Memory	1 x DDR2 533/667 SODIMM socket Up to 2GB memory size	
VGA	Integrated VIA Chrome™9 HC Integrated Graphics with 3D/2D and Unified Video Decoding Accelerator	
Expansion Slot	1 x Mini PCI slot	
Onboard LAN	1 x VIA VT6130 PCIe Gigabit Ethernet controller	
Onboard Audio	1 x VIA VT1708S High Definition Audio Codec	
Onboard I/O Connectors	2 x SATA port connectors 1 x SATA DOM power selector 2 x Fan connectors for CPU and system fans 1 x USB pin header for 2 additional USB 2.0 ports 1 x LVDS connector, for 24-bit dual channel LVDS panel 1 x Backlight control connector for inverter power and brightness control 3 x Serial port headers (RS-232) with one 5V/12V select jumper 1 x CF (Compact Flash) connector (shared with IDE) 1 x SMBus pin header 1 x SPI pin header 1 x Digital I/O pin header (4GPI & 4GPO) 1 x KB/MS pin header 1 x Front-audio pin header (Line-in, Line-out, Mic-in) 1 x SPDIF-out 1 x Front panel pin header 1 x System temperature reading pin header 2 x +5V power header for 2.5" SATA HDD 1 x +12V power connector 1 x Power mode select connector (PS-on, 5Vsb)	
Back Panel I/O	1 x Serial port with RS232/422/485 support 1 x VGA port 1 x GigaLAN port 2 x USB 2.0 ports	
BIOS	Award BIOS SPI 4/8Mbit flash memory	
Operating System	Windows XP, Windows Embedded CE, Windows Embedded Standard, Linux	
System Monitoring & Management	CPU voltage monitoring, System temperature reading, FAN speed monitor Wake-on LAN, Keyboard Power-on, Timer Power-on, Watch Dog Timer System power management, AC power failure recovery	
Operating Temperature	0 ~ 60°C	
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)	
Form Factor	Nano-ITX 12 cm x 12 cm (4.7" x 4.7")	

Back Panel I/O



Accessories



VNT9271 Wireless USB Module
802.11b/g/n standards

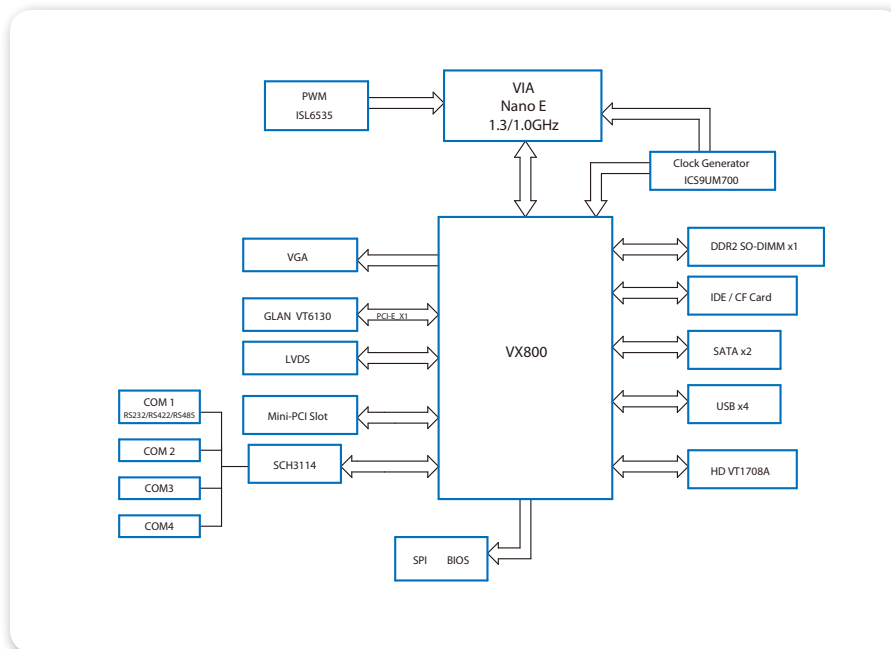


Wireless Mini PCI
802.11 b/g standards

Ordering Information

Model Name	CPU Frequency	Description
EPIA-N800-13	1.3GHz Nano™ E	Nano-ITX Board with 1.3GHz Nano™ E CPU, VGA, LVDS, COM, USB, SATA, CF & GigaLAN
EPIA-N800-10E	1.0GHz Nano™ E	Nano-ITX Board with 1.0GHz Nano™ E CPU, VGA, LVDS, COM, USB, SATA, CF & GigaLAN

Block Diagram



Packing List

Items
1 x USB cable
1 x SATA cable
1 x SATA power cable
1 x DC power cable