

Nano-ITX Series

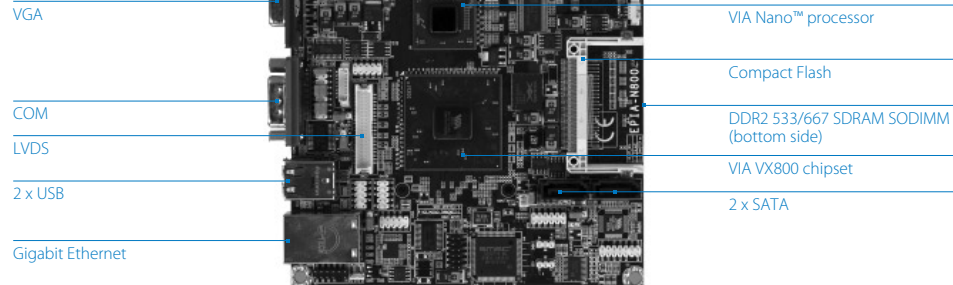
NEW

VIA

EPIA-N800

Nano-ITX Nano™ Board with
MPEG-2&4, WMV9, VGA,
LVDS, CF & GigaLAN

Board Placement



Features

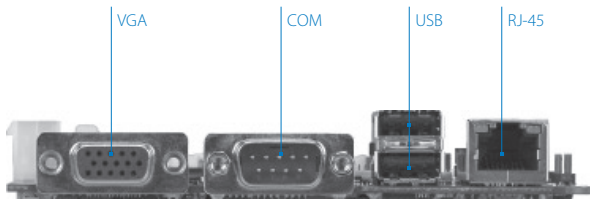
- Integrated VIA Chrome9™ HC3 DX9 3D/2D graphics with MPEG-2/4 and WMV9 decoding acceleration
- Supports DDR2 533/667 SDRAM (SODIMM)
- Supports two SATA
- Supports one PCIe Gigabit Ethernet
- Supports one CF (Compact Flash)
- Supports one VGA port
- Supports four USB 2.0 ports (two as pin headers)
- Supports four COM ports (three as pin headers)
- Onboard LVDS support: one dual channel LVDS panel support
- Supports HD audio

Specifications

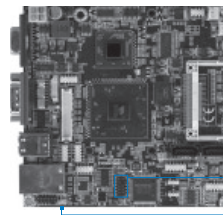
| | |
|---|--|
| Model Name | EPIA-N800-13 |
| Processor | 1.3GHz VIA Nano™ |
| Chipset | VIA VX800 Unified Digital Media IGP chipset |
| System Memory | 1 x DDR2 533/667 SODIMM socket Up to 2GB memory size |
| VGA | Integrated VIA Chrome9™ HC Integrated Graphics with 3D/2D and Unified Video Decoding 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 RJ-45 LAN port 2 x USB 2.0 ports |
| BIOS | Award BIOS SPI 4/8Mbit flash memory |
| Operating System | Windows 2000/XP, Linux, Win CE, XPe |
| 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 |



Back Panel I/O



Accessories



WLAN USB Module
802.11 b/g standards

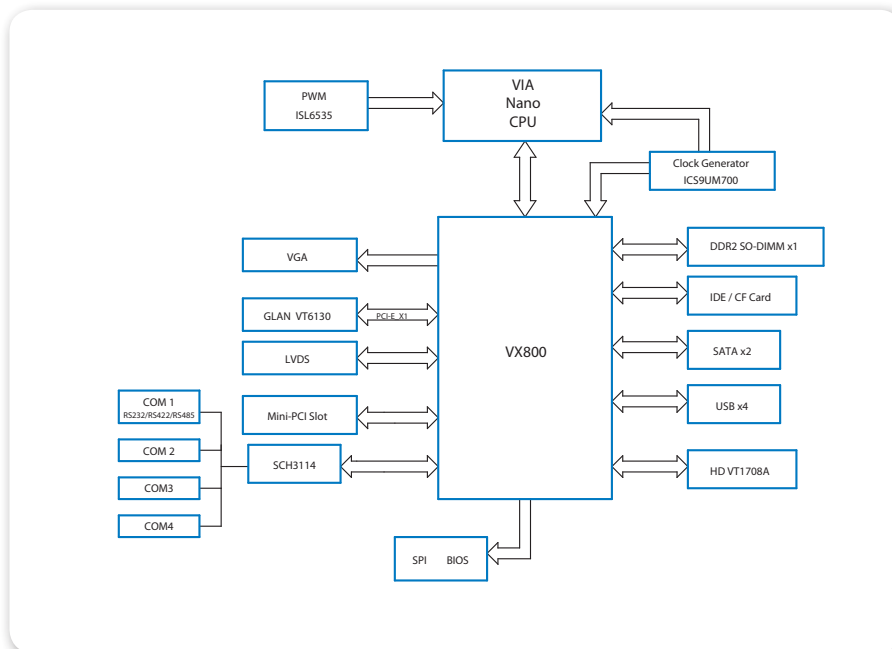


WLAN Mini PCI
802.11 b/g standards

Ordering Information

| Model Name | CPU Frequency | Description |
|------------|----------------------------|---|
| N800-13 | 1.3 ⁺ GHz Nano™ | Nano-ITX Board with 1.3 ⁺ GHz Nano™ 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 |
| 1 x Driver Utility CD |