

Nano-ITX Series

VIA EPIA-N700

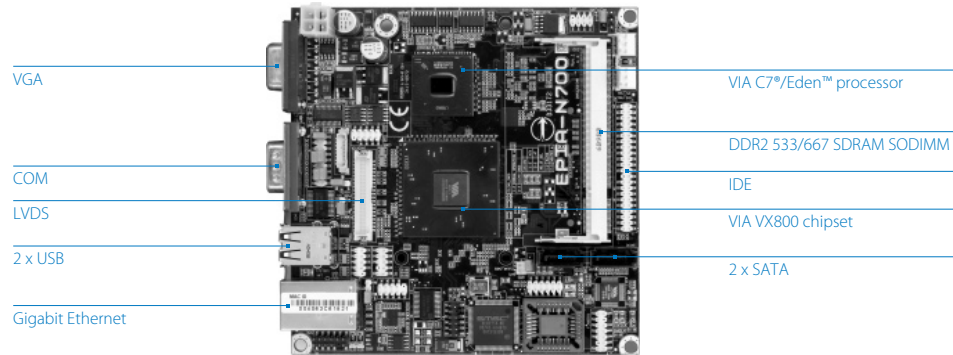
Nano-ITX C7®/ Eden™ ULV
Board with MPEG-2, WMV9,
VGA, LVDS, CF & GigaLAN

Features

- Integrated VIA Chrome9™ HC3 DX9 3D/2D graphics with MPEG-2, WMV9 decoding acceleration
- Supports DDR2 533/667 SDRAM (SODIMM)
- Supports one IDE and 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
- Supports wide temperature from -20 to 70 °C (only for EPIA-N700-10EW)



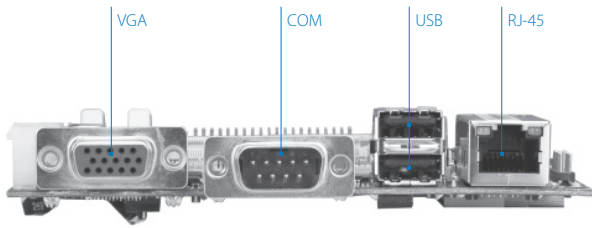
Board Placement



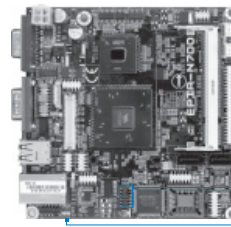
Specifications

Model Name	EPIA-N700-15	EPIA-N700-05E	EPIA-N700-10EW
Processor	1.5GHz VIA C7®	500MHz VIA Eden™ ULV	1.0GHz VIA Eden™ ULV
Chipset	VIA VX800 Unified Digital Media IGP chipset		
System Memory	1 x DDR2 533/667 SODIMM socket Up to 2GB memory size	1 x DDR2 533/667 SODIMM socket Up to 2GB memory size	Bundled with 1 x 1GB DDR2 667 SODIMM RAM module
VGA	Integrated VIA Chrome9™ HC3 DX9 3D/2D graphics with MPEG-2, WMV9 decoding acceleration		
Expansion Slot	1 x Mini PCI slot		
Onboard IDE	1 x UltraDMA 133/100/66/33 pin header (2.0mm/44-pin)		
Onboard LAN	1 x VIA VT6130 PCIe Gigabit Ethernet controller		
Onboard Audio	1 x VIA VT1708B High Definition Audio Codec		
Onboard I/O Connectors	3 x Serial port headers (RS-232) with one 5V/12V select jumper 2 x SATA port connectors 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 Panel brightness control pin header 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 (4 x GPI & 4 x GPO) 1 x KB/MS pin header 1 x Front audio pin header 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	0 ~ 60°C	-20 ~ 70 °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
802.11b/g/n standards

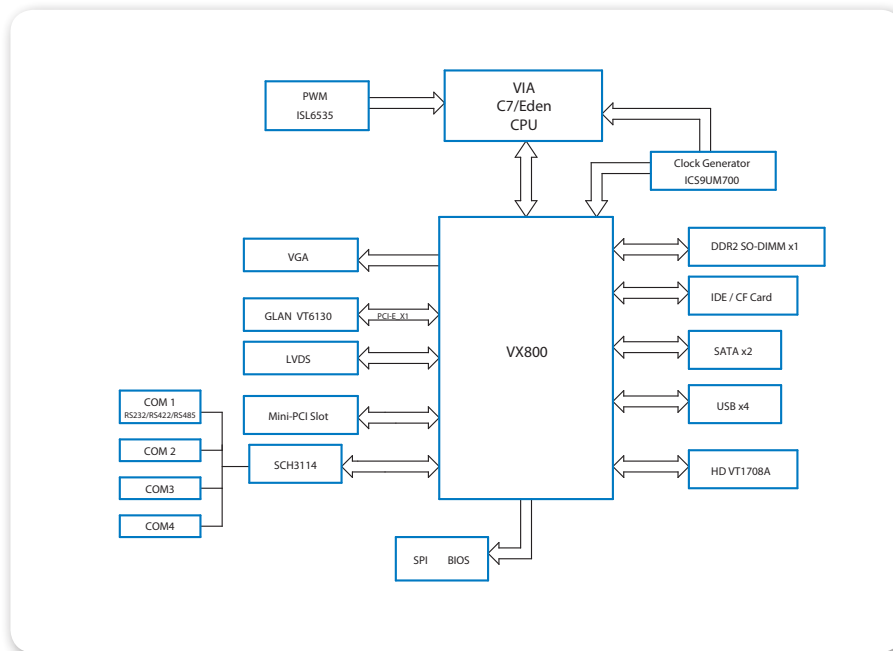


WLAN Mini PCI
802.11 b/g standards

Ordering Information

Model Name	CPU Frequency	Description
N700-15	1.5GHz C7®	Nano-ITX Board with 1.5GHz C7® CPU, VGA, LVDS, COM, USB, IDE, SATA, CF & GigaLAN
N700-05E	500MHz Eden™ ULV	Nano-ITX Board with 500MHz Eden™ ULV CPU, VGA, LVDS, COM, USB, IDE, SATA, CF & GigaLAN
N700-10EW	1.0GHz Eden™ ULV	Nano-ITX Board with 1.0GHz Eden™ ULV CPU, VGA, LVDS, COM, USB, IDE, SATA, CF, GigaLAN & 1GB DDR2 667 SODIMM RAM Module

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 CD