

Mini-ITX Series

VIA EPIA-M800

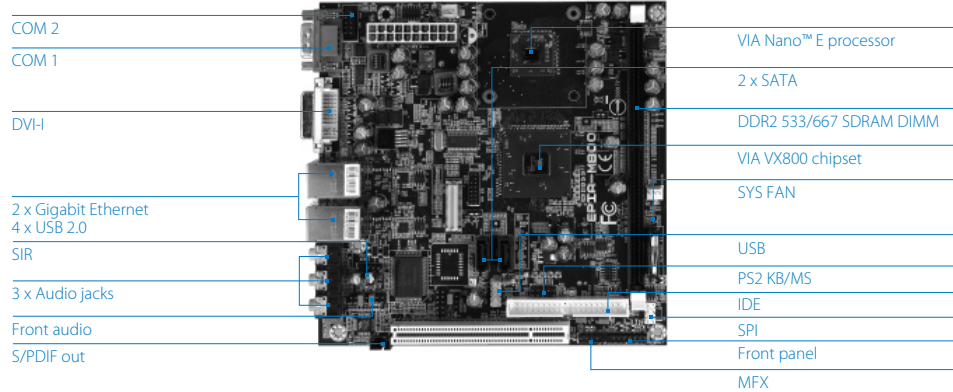
Mini-ITX Nano™ E Board with
MPEG-2 & WMV9/VC1, DVI-I,
CF & Dual GigaLAN

Features

- Integrated VIA Chrome9™ HC3 DX9 3D/2D graphics with MPEG-2 and WMV9 decoding acceleration
- Supports one IDE and two SATA
- Supports dual PCIe Gigabit Ethernet
- Supports one CF (Compact Flash)
- Supports one DVI-I port
- Supports digital I/O, SPI and proprietary MFX interfaces
- Supports six USB 2.0 ports (two as pin headers)
- Supports HD audio
- Designed for Digital Signage and Kiosk applications



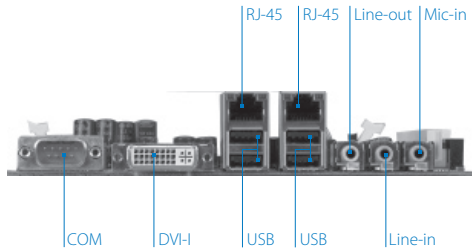
Board Placement



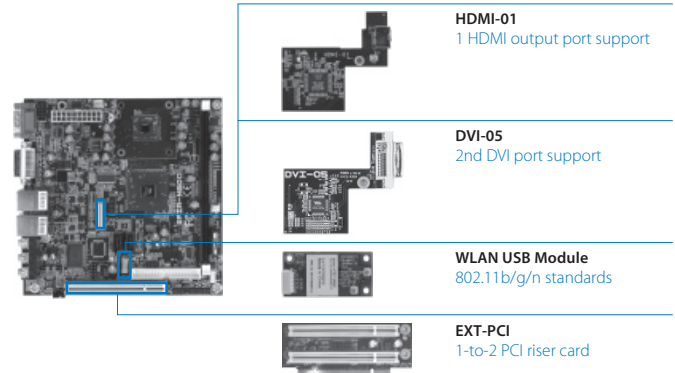
Specifications

Model Name	EPIA-M800-16	EPIA-M800-12E
Processor	1.6 GHz VIA Nano™ E	1.2GHz VIA Nano™ E
Chipset	VIA VX800 Unified Digital Media IGP chipset	
System Memory	1 x DDR2 533/667 DIMM socket Up to 2GB memory size	
VGA	Integrated VIA Chrome9™ HC3 DX9 3D/2D graphics and video decoding acceleration	
Expansion Slots	1 x PCI slot	
Onboard IDE	1 x UltraDMA 133/100/66/33 pin header	
Onboard LAN	2 x VIA VT6130 PCIe Gigabit Ethernet controllers	
Onboard Audio	1 x VIA VT1708S High Definition Audio Codec	
Onboard I/O Connectors	1 x USB pin header for 2 additional USB 2.0 ports 1 x Front panel audio pin header for Line-out/Mic-in or amplifier module 1 x S/PDIF out connector 1 x Digital video input pin header for CCIR-656/601/transport stream video 1 x Digital video output pin header for DVI/HDMI output 1 x CF (Compact Flash) connector (shared with IDE) 1 x MFX pin header 1 x SPI pin header 1 x Digital I/O pin header 1 x KB/MS pin header 1 x SIR pin header (IRDA 1.0) 1 x Serial port pin header 1 x System temperature reading pin header 1 x Front panel pin header 1 x ATX power connector 2 x SATA connectors 2 x Fan connectors for CPU and system fans	
Back Panel I/O	1 x Serial port 1 x DVI-I port 2 x GigaLAN ports 4 x USB 2.0 ports 3 x Audio phone jacks: Line-out, Line-in and Mic-in (horizontal, Smart 5.1 support)	
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 detection 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	Mini-ITX (6-layer) 17 cm x 17 cm	

Back Panel I/O



Accessories

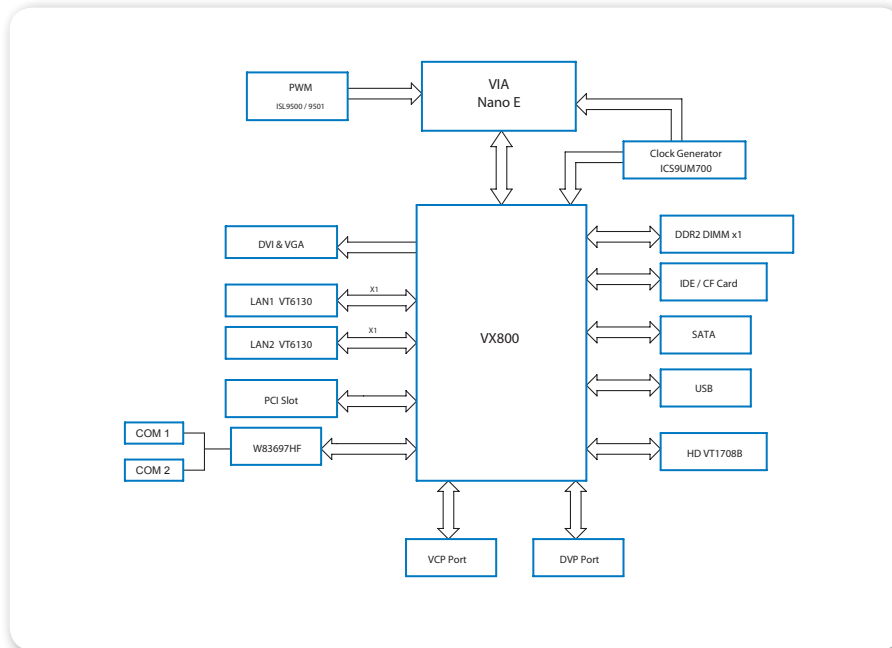


*HDMI-01 and DVI-05 are project base accessories.

Ordering Information

Model Name	CPU Frequency	Description
M800-16	1.6 GHz Nano™ E	Mini-ITX Board with 1.6GHz Nano™ E CPU, DVI-I, USB, GLAN, COM, IDE, CF, SATA & Smart 5.1 Audio
M800-12E	1.2 GHz Nano™ E	Mini-ITX Board with 1.2GHz Nano™ E CPU, DVI-I, USB, GLAN, COM, IDE, CF, SATA & Smart 5.1 Audio

Block Diagram



Packing List

Items
1 x Driver CD
1 x ATA 133/100/66 ribbon cable
1 x SATA cable
1 x I/O bracket