

Pico-ITX Series

VIA
EPIA PX

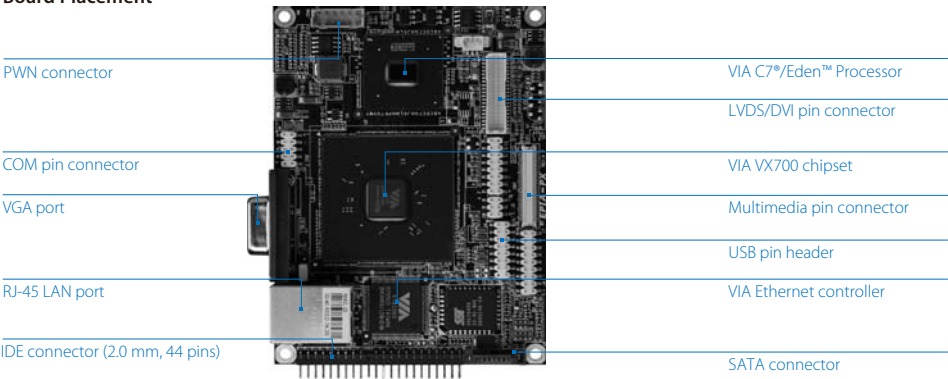
Pico-ITX NanoBGA2 C7®/
Eden™ ULV Board with
MPEG-2 & 4, WMV9 and
LVDS/DVI Support

Features

- Pico-ITX form factor:
10 cm x 7.2 cm
- Integrated VIA UniChrome™
Pro II 3D/2D AGP graphics
with MPEG-2/4 and WMV9
decoding acceleration
- Supports DDR2 533 SDRAM
(SODIMM)
- Audio connector for
Line-in, Mic-in, S/PDIF in, and
5.1 channels audio output
- Low profile design: All back
panel I/O in pin header format
except for the RJ-45 LAN and
VGA port



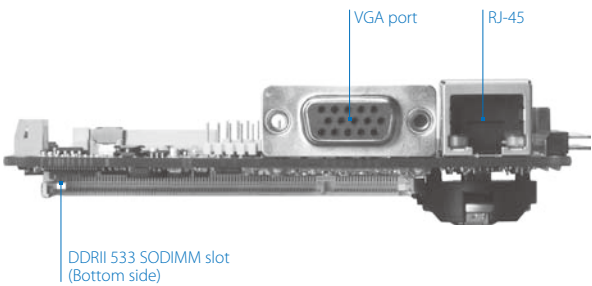
Board Placement



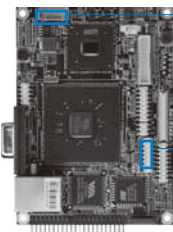
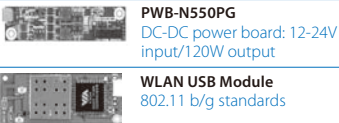
Specifications

Model Name	EPIA PX10000G	EPIA PX5000EG
Processor	VIA C7® 1.0GHz NanoBGA2	VIA Eden™ ULV 500MHz NanoBGA2
Chipset	VIA VX700 Unified Digital Media IGP chipset	
System Memory	1 x DDR2 533 SODIMM socket Up to 1GB memory size	
VGA	Integrated VIA UniChrome™ Pro II 3D/2D AGP graphics with MPEG-2/4 and WMV9 decoding acceleration	
Onboard IDE	1 x UltraDMA 133/100/66 connector (2.0 mm 44-pin header)	
Onboard Serial ATA	1 x SATA connector	
Onboard LAN	1 x VIA VT6106S 10/100 Mbps Ethernet controller	
Onboard Audio	VIA VT1708A High Definition Audio Codec	
Onboard I/O Connectors	1 x USB connector for 4 USB 2.0 ports 1 x COM port connector 1 x PS2 mouse/keyboard connector 1 x LVDS/DVI pin connector, for 18/24-bit dual channel LVDS panel (if without using DVI) 1 x Multimedia connector to support external TV-out interface, video capture port interface and low pin count interface (an add-on card is required) 1 x Audio connector for Line-in, Mic-in, S/PDIF in, and 5.1 channels audio output 1 x Fan connector for CPU fan 1 x Pico-ITX power connector	
Back Panel I/O	1 x RJ-45 LAN port 1 x VGA port	
BIOS	Award BIOS 4/8Mbit flash memory	
Operating System	Windows XP, Linux, Win CE, XPe	
System Monitoring& Management	CPU temperature reading (manufacturing option) Watch Dog Timer (manufacturing option) Keyboard Power-on, Time Power-on System power management AC power failure recovery	
Operating Temperature	0°C up to 50°C	
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)	
Form Factor	Pico-ITX (10-layer) 10 cm x 7.2 cm	

Back Panel I/O



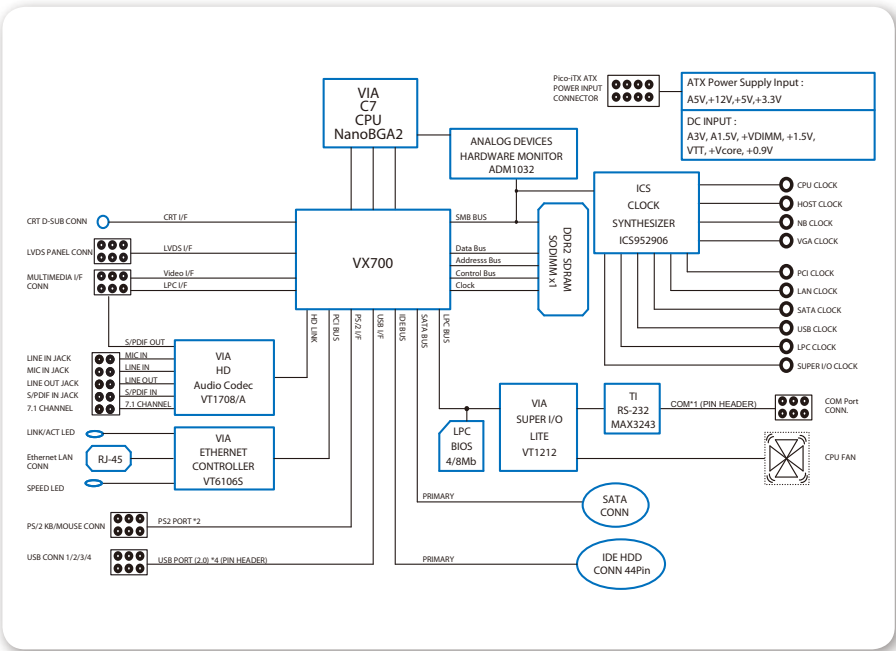
Accessories



Ordering Information

Model Name	CPU Frequency	Description
PX10000G	C7® 1.0GHz	Pico-ITX Board with C7® 1.0GHz CPU, VGA, USB, LAN, LVDS, DVI, COM, IDE & SATA
PX5000EG	Eden™ ULV 500MHz	Pico-ITX Fanless Board with Eden™ ULV 500MHz CPU, VGA, USB, LAN, LVDS, DVI, COM, IDE & SATA

Block Diagram



Packing List

Items
1 x USB2.0 ribbon cable
1 x ATA-66/100/133 IDE ribbon cable
1 x PS/2 ribbon cable
1 x Power port cable
1 x COM port ribbon cable
1 x DVI ribbon cable
1 x Driver Utility CD
2 x Screws (for the VGA port)