

## Pico-ITXe Series

VIA

# EPIA-P710

Pico-ITXe C7® Board with  
MPEG-2, SUMIT QMS  
Connectors, LVDS, CRT, IDE,  
SATA and GigaLAN

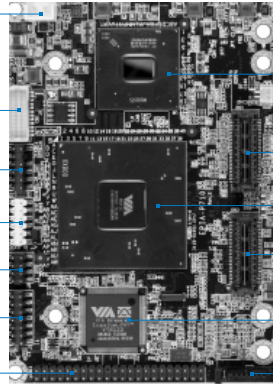
## Features

- Pico-ITXe (Pico-ITX Express) form factor
- Integrated VIA Chrome9™ HC3 DX9 3D/2D graphics with MPEG-2 video decoding acceleration
- Supports DDR2 533/667 SDRAM (SODIMM)
- Supports two SUMIT QMS expansion connectors (3 USB, LPC, 2 PCIe x1, PCIe x4, SMBus and SPI)
- Supports one Gigabit Ethernet
- Supports one IDE and one SATA
- Supports one CRT (pin header)
- Onboard LVDS support: One single channel LVDS panel support
- Supports HD audio



## Board Placement

DC-in  
LVDS pin connector  
CRT pin connector  
Front panel pin connector  
Audio pin connector  
GigaLAN pin connector  
IDE connector (2.0 mm, 44-pin)



VIA C7® processor  
SUMIT QMS connector (Bank B)  
VIA VX800 chipset  
SUMIT QMS connector (Bank A)  
VIA Ethernet controller  
SATA connector

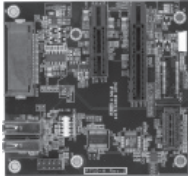
## Specifications

<b>Model Name</b>	<b>EPIA-P710-10L</b>
<b>Processor</b>	1.0 GHz VIA C7®
<b>Chipset</b>	VIA VX800 Unified Digital Media IGP chipset
<b>System Memory</b>	1 x DDR2 533/667 SODIMM socket Up to 2GB memory size
<b>VGA</b>	Integrated VIA Chrome9™ HC3 DX9 3D/2D graphics with MPEG-2 video decoding acceleration
<b>Onboard IDE</b>	1 x UltraDMA 133/100 pin connector with 2.0mm 44-pin
<b>Onboard Serial ATA</b>	1 x SATA connector 1 x SATA power connector (5V)
<b>Onboard LAN</b>	1 x VIA VT6122 Gigabit LAN controller (A connector board is suggested)
<b>Onboard Audio</b>	1 x VIA VT1708B High Definition Audio Codec
<b>Onboard I/O Connectors</b>	2 x SUMIT QMS connectors (3 USB, LPC, 2 PCIe x1, PCIe x4, SMBus and SPI) 1 x GigaLAN pin header 1 x Audio pin connector for Line-out, Line-in, Mic-in 1 x Front panel pin header 1 x CRT pin header 1 x Single-channel LVDS pin connector (powered with selectable 5V/3V) 1 x CPU fan connector 1 x PS/2 KB/MS pin header 1 x +12V DC-in 2-pin jack with lock
<b>BIOS</b>	Award BIOS 4/8Mbit flash ROM
<b>System Monitoring &amp; Management</b>	Keyboard Power-on, Timer Power-on System power management, AC power failure recovery Wake-on LAN, Watch Dog Timer
<b>Operating System</b>	Windows XP, Windows Embedded CE, Windows Embedded Standard, Linux
<b>Operating Temperature</b>	0°C ~ 50°C
<b>Operating Humidity</b>	0% ~ 95% (relative humidity; non-condensing)
<b>Form Factor</b>	Pico-ITXe (12-layer) 10 cm x 7.2 cm

## P710 I/O Cards

### VIA P710-A

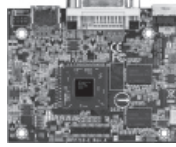
SUMIT interface expansion module. Supports 2 USB, 1 PCIe x1, 1 PCIe x4, 1 ExpressCard slot, 1 LPC, 1 SPI, 1 COM pin header 90.17mm (W) x 95.89mm (H)



Applications: Expansion module

### VIA P710-E

SUMIT interface S3 Graphics 4300E HD Module. Supports 1 HDMI, 1 S-video, 2 USB 2.0, and 1 DVI-I port (optional with LVDS) 72mm (W) x 90 mm (H)

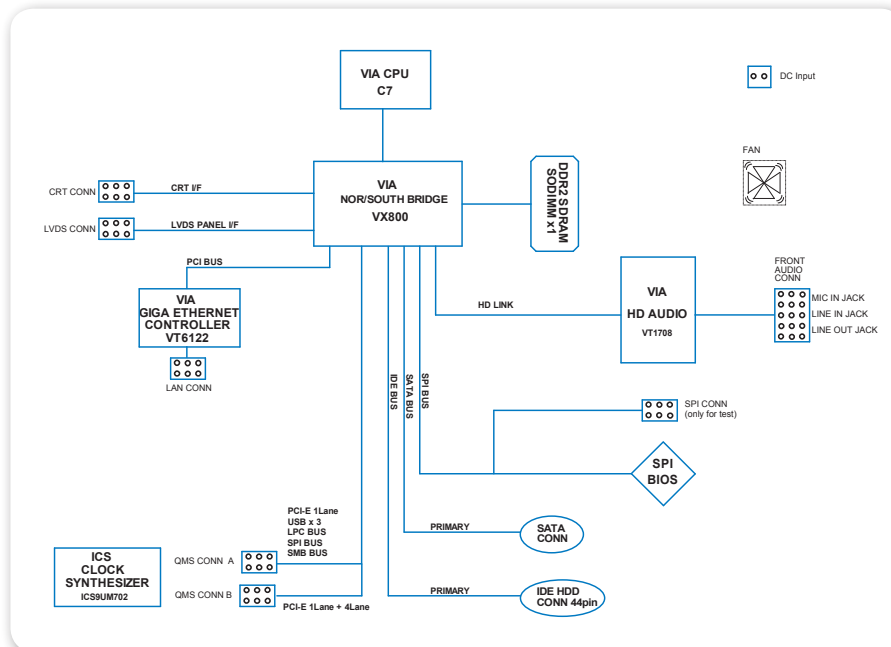


Applications: Hi-Def video playback

## Ordering Information

Model Name	CPU Frequency	Description
P710-10L	1.0 GHz C7®	Pico-ITXe Board with 1.0 GHz C7® CPU, 2 x SUMIT QMS, 1 x LVDS, 1 x CRT, 1 x GigaLAN, 1 x SATA, 1 x IDE, on-board DC-IN

## Block Diagram



## Packing List

Items
1 x DC-in cable
1 x SATA cable
1 x SATA power cable
1 x IDE cable
1 x VGA cable
1 x PS/2 cable
1 x Driver CD