

Pico-ITXe Series

VIA

EPIA-P710

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

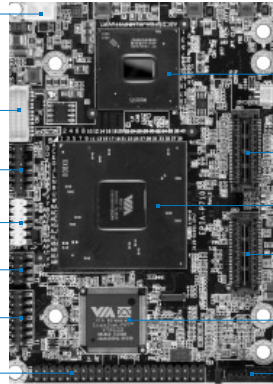
Features

- 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

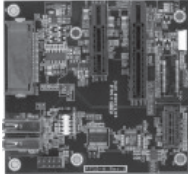
Specifications

Model Name	EPIA-P710-10L
Processor	1.0 GHz VIA C7®
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™ HC3 DX9 3D/2D graphics with MPEG-2 video decoding acceleration
Onboard IDE	1 x UltraDMA 133/100 pin connector with 2.0mm 44-pin
Onboard Serial ATA	1 x SATA connector 1 x SATA power connector (5V)
Onboard LAN	1 x VIA VT6122 Gigabit LAN controller (A connector board is suggested)
Onboard Audio	1 x VIA VT1708B High Definition Audio Codec
Onboard I/O Connectors	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
BIOS	Award BIOS 4/8Mbit flash ROM
System Monitoring & Management	Keyboard Power-on, Timer Power-on System power management, AC power failure recovery Wake-on LAN, Watch Dog Timer
Operating System	Windows XP, Linux, Win CE, XPe
Operating Temperature	0°C ~ 50°C
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)
Form Factor	Pico-ITXe (12-layer) 10 cm x 7.2 cm

P710 I/O Cards

VIA P710-A

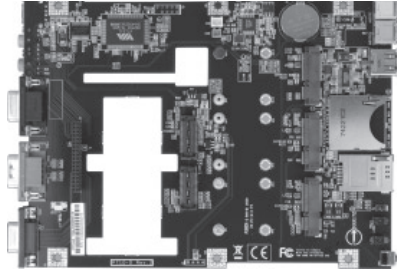
Expansion module with 2 USB, 1 PCIe x1, 1 PCIe x4, 1 ExpressCard slot, 1 LPC, 1 SPI, & 1 COM pin header.
90.17mm (W) x 95.89mm (H)



Applications: Expansion module

VIA P710-D

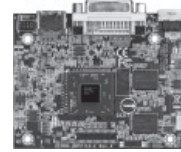
3 mini-PCIe slots, 2 USB, 4 GPIO, COM/UART port, VGA, Audio, & SD memory, SIM card reserved.
142mm (W) x 191.4mm (H)



Applications: Transportation and logistic/fleet management

VIA P710-E

S3 Graphics 4300E HD Module.
72mm (W) x 90 mm (H)

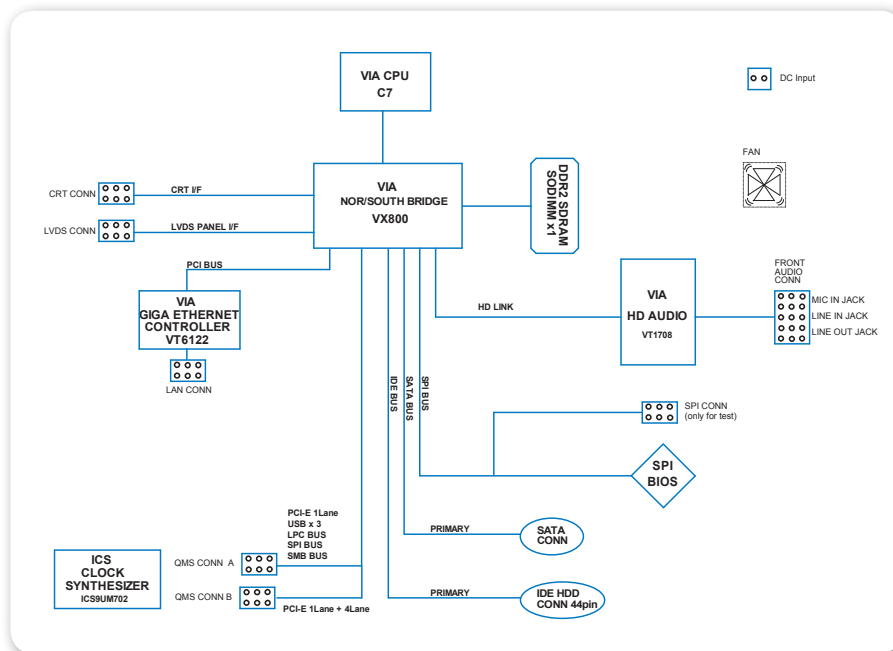


Applications: Hi-Def video playback

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 Utility CD