

Pico-ITX Series

VIA EPIA-P910

Highly-integrated low-power platform with rich multimedia and I/O capabilities

Features

- Compact 10cm x 7.2cm Pico-ITX form factor
- Fanless 1.2GHz VIA Eden® X4 Processor
- DX11 graphics with MPEG-2/WMV9/VC1/H.264 decoding acceleration
- Multiple expansion options through MXM connector
- Supports one Mini HDMI and one VGA port



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2013



Board Placement

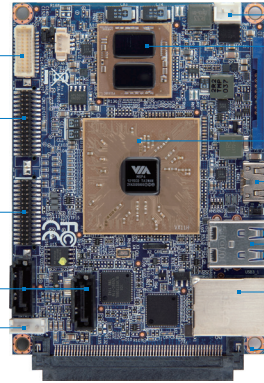
LVDS

LPC/SMBus/GPIO

Front Audio/USB 2.0

SATA

SATA Power



12V DC-in

1.2GHz VIA Eden® X4 CPU

VGA

VIA VX11H Chipset

Mini HDMI

USB 3.0

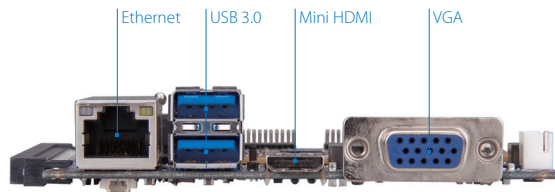
Ethernet

High Speed Extension
(3 PCIe x1 + 3 USB 2.0)

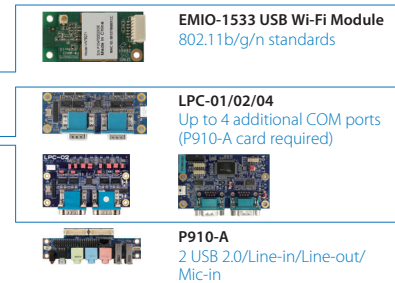
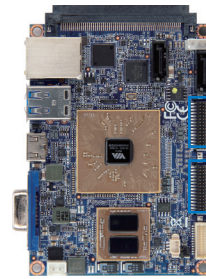
Specifications

Model Name	EPIA-P910-12QE
Processor	1.2GHz VIA Eden® X4 (Fanless)
Chipset	VIA VX11H Media System Processor
BIOS	AMI Aptio UEFI BIOS, 32Mbit Flash memory
System Memory	1 DDR3 1333 SODIMM socket Up to 8GB memory size
Storage	2 SATA connectors
Graphics	Integrated Chrome® 640 DX11 3D/2D graphics with MPEG-2, WMV9, VC1 and H.264 video decoding acceleration
LAN	1 VIA VT6130 PCIe Gigabit Ethernet controller
Audio	VIA VT2021 High Definition Audio Codec
Super I/O	Fintek F81801U-I
Expansion I/O	3 PCIe x1 + 3 USB 2.0 (through high speed extension)
Onboard I/O	2 SATA connectors 1 SATA power connector 1 USB 2.0 pin header for 3 ports 1 Single-channel 18/24-bit LVDS panel connector 1 LPC pin header 1 SMBus pin header 1 Digital I/O pin header (4 GPI + 4 GPO) 1 Audio pin header for Line-in, Line-out, Mic-in 1 Smart Fan pin header for CPU 1 Backlight control for panel 1 DC-in connector 3 PCIe x1 + 3 USB 2.0 ports (through high speed extension)
Back Panel I/O	2 USB 3.0 ports 1 Mini HDMI port 1 VGA port 1 Gigabit Ethernet port
Power Supply	12V DC-in
Operating System	Windows 10/8.1/8/7, WES 7, Linux
System Monitoring & Management	Wake-on-LAN, Keyboard Power-on, Timer Power-on, System power management, AC power failure recovery, Watch Dog Timer
Operating Temperature	0°C ~ 60°C
Operating Humidity	0% ~ 95% (non-condensing)
Form Factor	Pico-ITX (10cm x 7.2cm, 3.9" x 2.8")
Compliance	CE/FCC

Back Panel I/O



Accessories



Ordering Information

Model Name	CPU Frequency	Description
EPIA-P910-12QE	VIA Eden® X4 @ 1.2GHz	Pico-ITX Board with 1.2GHz VIA Eden® X4 CPU, Mini HDMI, VGA, LVDS, 2 USB 3.0, 6 USB 2.0, Gigabit Ethernet, 2 SATA, 12V DC-in

Optional Accessories

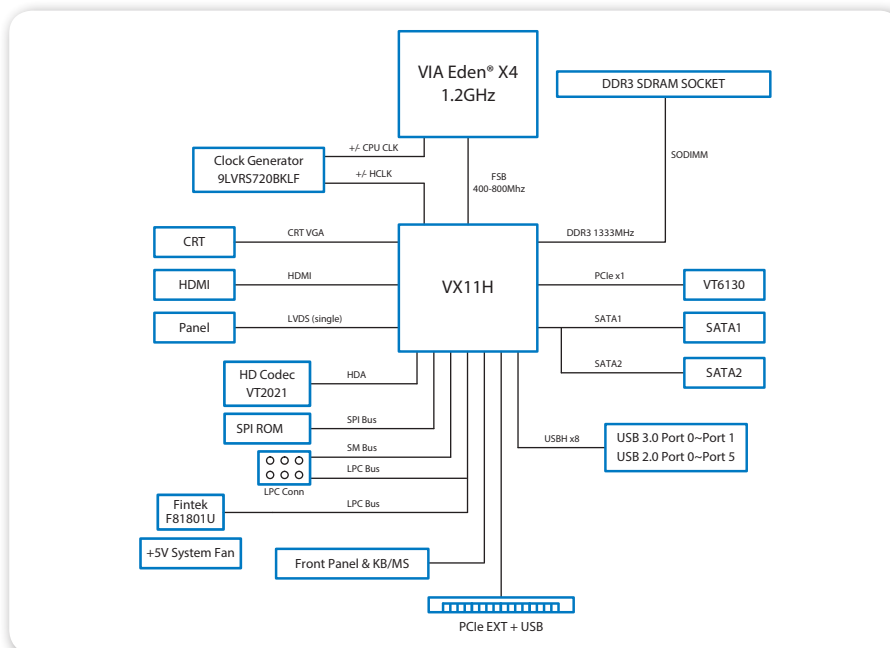
I/O Expansion Cards

Part Number	Description
EPIA-P910-A	Front I/O card with 2 LEDs, 1 power button, 3 audio jacks and 2 USB 2.0
LPC-01	Expansion module for four COM ports
LPC-02	Expansion module for four COM ports (5V or 12V)
LPC-04	Expansion module for two or four COM ports (5V or 12V)

Wireless Modules

Part Number	Description
EMIO-1533-00A2	VNT9271 IEEE 802.11 b/g/n USB Wi-Fi module with assembly kit

Block Diagram



Packing List

Items
EPIA-P910 board
DC power cable
SATA cable
SATA power cable

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[GCS22.8.100.4.2.I](#) [GLS11.2.053.2.2.E](#) [A20-OLINUXINO-LIME-E16GS16M](#) [A20-OLINUXINO-LIME-S16M](#) [A20-OLINUXINO-LIME2-](#)
[E16GS16M](#) [A20-OLINUXINO-MICRO-E16GS16M](#) [A20-OLINUXINO-MICRO-S16M](#) [BANANA PI BPI-W2](#)