Pico-ITX Series

VIA

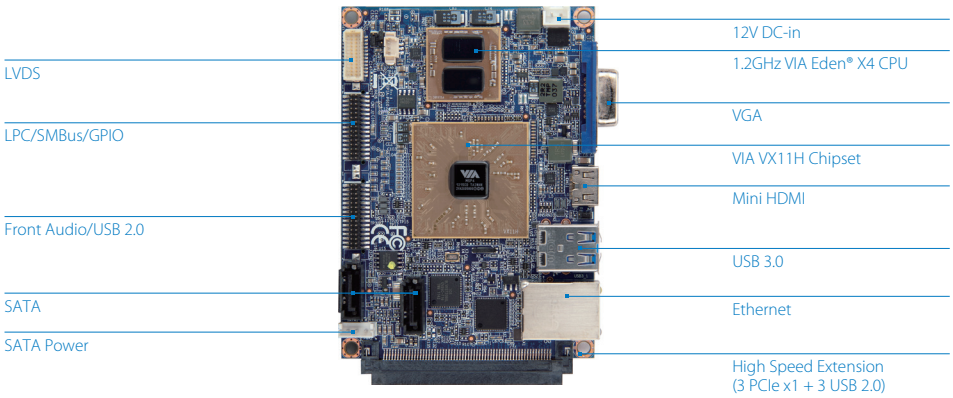
EPIA-P910

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

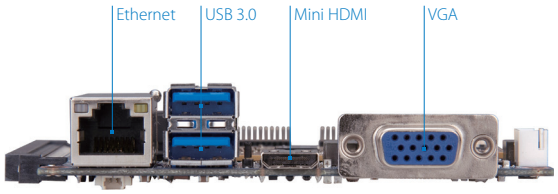
Board Placement



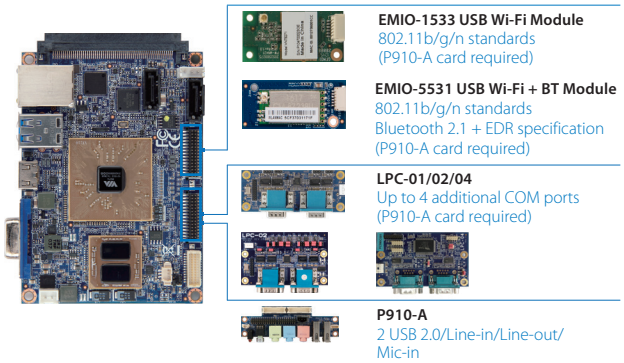
Specifications

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 C-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 Single-channel 18/24-bit LVDS panel connector 1 USB 2.0 pin header for 3 ports 1 Digital I/O pin header (4 GPI + 4 GPO) 1 LPC pin header 1 SMBus pin header 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	1 Mini HDMI port 1 VGA port 2 USB 3.0 ports 1 Gigabit Ethernet port
Power Supply	12V DC-in
Operating System	Windows 10/8.1/8/7, Win 10 IoT, WES 7, Linux
VIA Smart ETK	BIOS flash tool, Hardware monitor, LCD backlight brightness control, Watchdog timer, GPIO, SMBus
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

Part Number	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

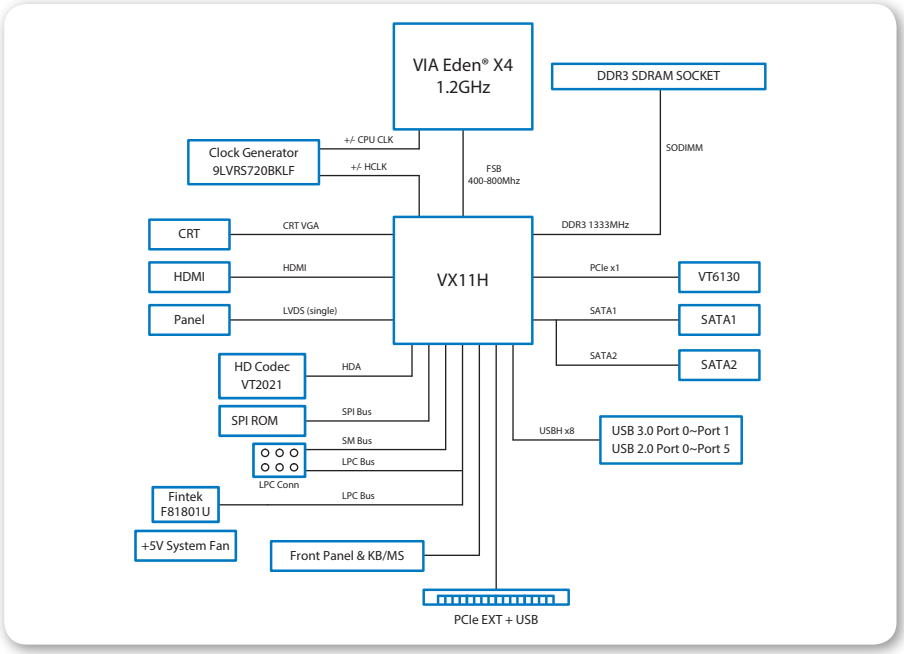
I/O Expansion Cards

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 Accessories

Part Number	Description
00GO27100BU2B0D0	VNT9271 IEEE 802.11 b/g/n USB Wi-Fi dongle
EMIO-1533-00A2	VNT9271 IEEE 802.11 b/g/n USB Wi-Fi module with assembly kit and antenna
EMIO-5531-00A1	VAB-820-W IEEE 802.11 b/g/n USB Wi-Fi & Bluetooth module with assembly kit and antenna

Block Diagram



Packing List

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