

## 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
- 1.0GHz VIA QuadCore E-Series Processor
- DX11 graphics with MPEG-2/WMV9/VC1/H.264 decoding acceleration
- Multiple expansion options
- Supports one Mini HDMI and one VGA port



## Board Placement

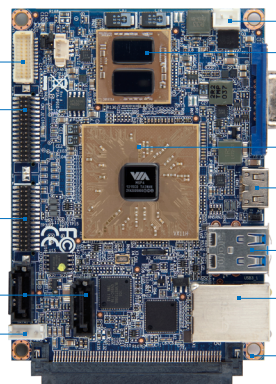
LVDS

LPC/SMBus/GPIO

Front Audio/USB 2.0

SATA

SATA Power



12V DC-in

1.0GHz VIA QuadCore E-Series CPU

VGA

VIA VX11H Chipset

Mini HDMI

USB 3.0

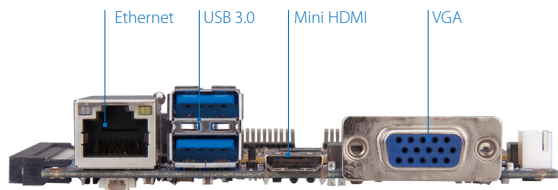
Ethernet

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

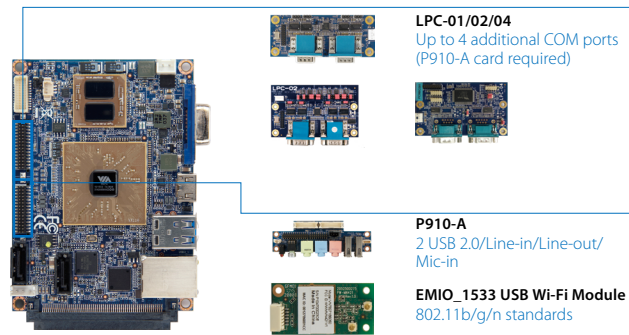
## Specifications

| Model Name                     | EPIA-P910-10Q                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                      | 1.0GHz VIA QuadCore E-Series                                                                                                                                                                                                                                                                                                                                                                                                       |
| Chipset                        | VIA VX11H Media System Processor                                                                                                                                                                                                                                                                                                                                                                                                   |
| BIOS                           | AMI Aptio UEFI BIOS, 32Mbit Flash memory                                                                                                                                                                                                                                                                                                                                                                                           |
| System Memory                  | 1 DDR3 1333 SODIMM socket<br>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<br>1 SATA power connector<br>1 USB 2.0 pin header for 3 ports<br>1 Single-channel 18/24-bit LVDS panel connector<br>1 LPC pin header<br>1 SMBus pin header<br>1 Digital I/O pin header (4 GPI + 4 GPO)<br>1 Audio pin header for Line-in, Line-out, Mic-in<br>1 Smart Fan pin header for CPU<br>1 Backlight control for panel<br>1 DC-in connector<br>3 PCIe x1 + 3 USB 2.0 ports (through high speed extension) |
| Back Panel I/O                 | 2 USB 3.0 ports<br>1 Mini HDMI port<br>1 VGA port<br>1 Gigabit Ethernet port                                                                                                                                                                                                                                                                                                                                                       |
| Power Supply                   | 12V DC-in                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Operating System               | Windows 7/8, 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

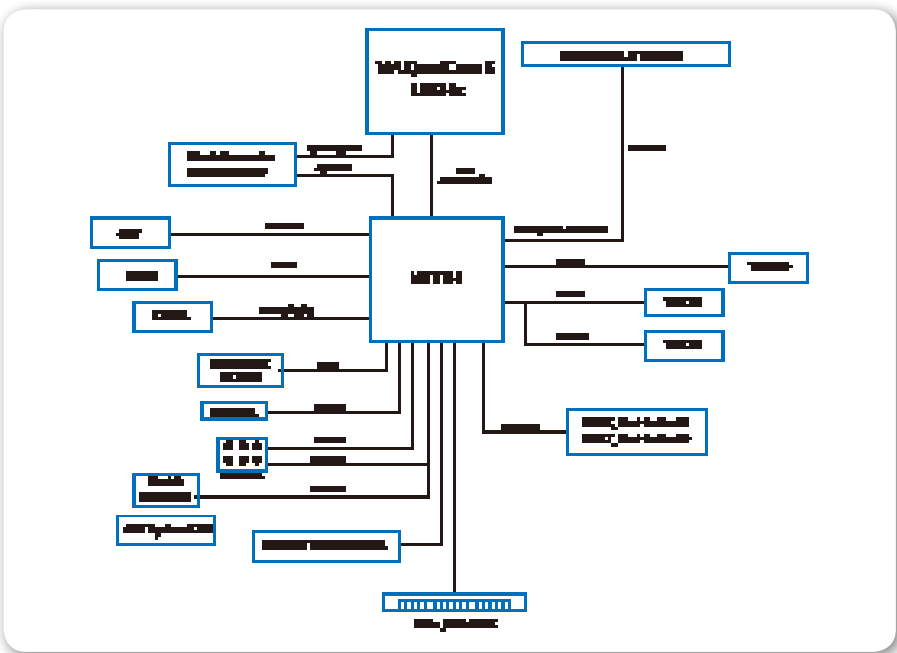
| Model Name    | CPU Frequency                  | Description                                                                                                                           |
|---------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| EPIA-P910-10Q | VIA QuadCore E-Series @ 1.0GHz | Pico-ITX Board with 1.0GHz VIA QuadCore E-Series 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            |
|------------------|
| DC power cable   |
| SATA cable       |
| SATA power cable |