

## Mini-ITX Series

NEW

VIA

# EPIA-M920

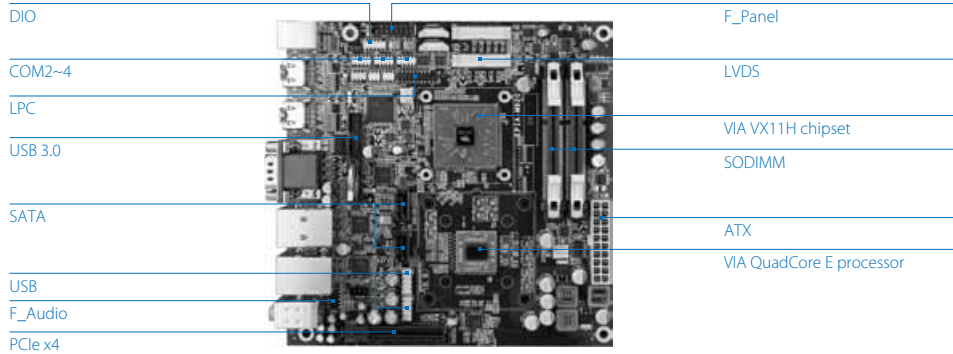
Mini-ITX QuadCore E/Eden™ X2 CPU with Full HD Video Support, SATA, GigaLAN, USB 3.0, VGA, HDMI, LVDS & PCIe

## Features

- Integrated VIA Chromotion™ 5.0 DX11 3D/2D graphics with MPEG2, WMV9/VC1, H.264 decoding acceleration
- Supports high-bandwidth DDR3, up to 16GB memory
- Support two SATA
- Supports two Gigabit Ethernet
- Support six USB 2.0 ports and three USB 3.0 ports
- Support one digital I/O (GPI x 4, GPO x 4)
- Support one single-channel and one dual-channel 18/24-bit LVDS
- Supports two HDMI ports



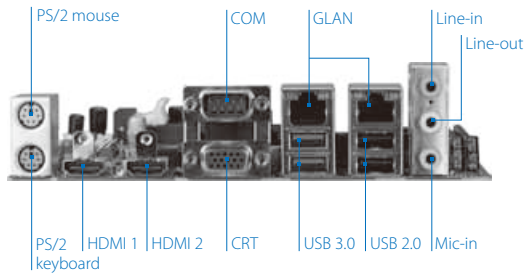
## Board Placement



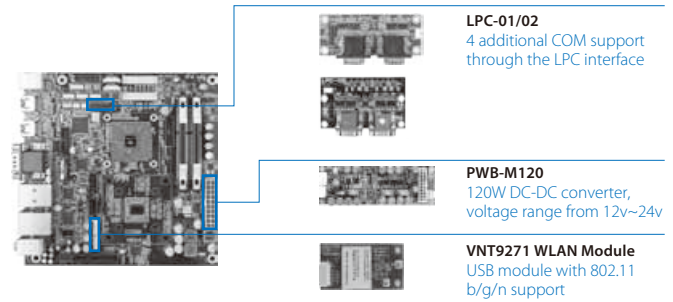
## Specifications

Model Name	EPIA-M920-10E	EPIA-M920-12Q
<b>Processor</b>	1.0GHz VIA Eden™ X2 (fanless)	1.2GHz VIA QuadCore E (with fansink)
<b>Chipset</b>	VIA VX11H Media System Processor	
<b>System Memory</b>	2 x DDR3 1333 SODIMM socket Supports up to 16G memory size (The real memory size may show less than 16GB due to some capacity are used for BIOS or other functions)	
<b>VGA</b>	Integrated VIA Chromotion™ 5.0 DX11 3D/2D graphics with MPEG2, WMV9/VC1, H.264 decoding acceleration	
<b>Onboard Serial ATA</b>	2 x SATA connectors	
<b>Onboard LAN</b>	2 x VIA VT6130 PCIe Gigabit Ethernet controllers	
<b>Onboard Audio</b>	VIA VT2021 High Definition Audio Codec	
<b>Onboard Super IO</b>	Fintek F71869E	
<b>Onboard I/O Connectors</b>	2 x USB 2.0 pin headers for 4 ports 1 x USB 3.0 pin header for 1 port 2 x SATA connectors 2 x SATA DOM power selectors 1 x Dual channel 18/24-bit LVDS (DVP, VT1636) 1 x Single channel 18/24-bit LVDS (VX11H internal) 2 x Backlight control connectors for inverter power and brightness control 1 x Front audio pin header (Line-out/MIC-in) 1 x PS/2 keyboard/mouse pin header 3 x RS232 pin headers (2 from VX11H, configurable 5V/12V) 1 x LPC pin header 1 x SMBUS pin header 1 x S/PDIF out connector 1 x Digital I/O pin header (GPI x 4, GPO x 4) 1 x Front panel pin header 2 x Smart Fan pin headers for CPU and Sys 1 x ATX power connector 1 x PCIe x4 slot 1 x SD card (SDHC/SDXC) 1 x SPI 1 x Clear CMOS	
<b>Back Panel I/O</b>	1 x Serial port (powered with selectable 5V/12V) + VGA port 2 x HDMI ports 1 x GigaLAN port + 2 x USB 3.0 ports 1 x GigaLAN port + 2 x USB 2.0 ports 3 x Audio jacks: Line-in, Line-out and MIC-in 2 x PS/2 KB/MS ports	
<b>I/O Bracket</b>	Standard	
<b>BIOS</b>	AMI BIOS ROM APTIO uEFI 4MB	
<b>Operating System</b>	Windows 7, Windows Embedded Standard 7, POSReady 7, Windows XP Embedded	

## Back Panel I/O



## Accessories



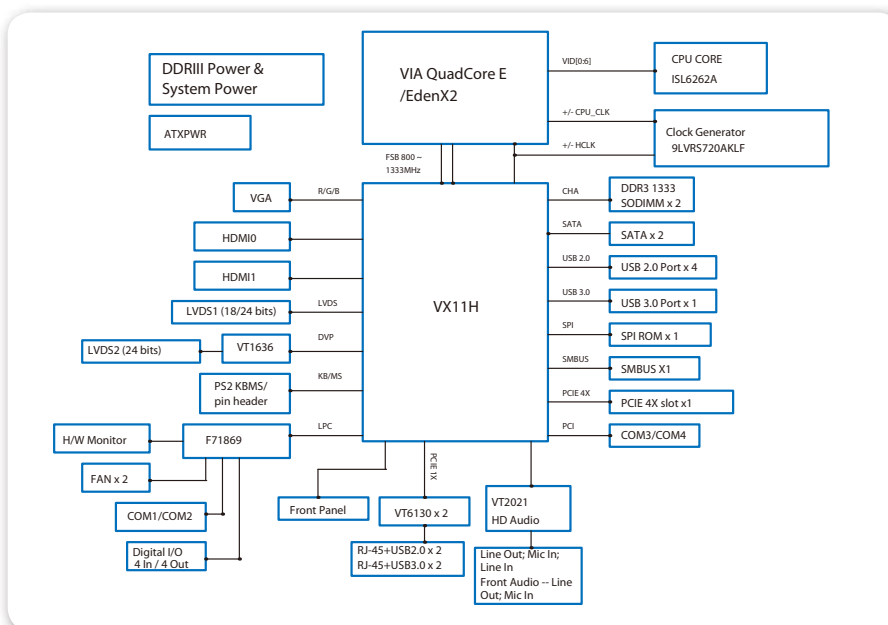
## Specifications

Model Name	EPIA-M920-10E	EPIA-M920-12Q
<b>Power</b>	ATX connector	
<b>System Monitoring &amp; Management</b>	Wake-on-LAN, Keyboard-Power-on, Timer-Power-on System power management, AC power failure recovery Watch Dog Timer	
<b>Operating Temperature</b>	0°C ~ 60°C	
<b>Operating Humidity</b>	0% ~ 95% (relative humidity; non-condensing)	
<b>Form Factor</b>	Mini-ITX, 17 cm x 17 cm (6.7" x 6.7")	
<b>Compliance</b>	CE/FCC/BSMI/RoHS	

## Ordering Information

Model Name	CPU Frequency	Description
EPIA-M920-12Q	1.2GHz VIA QuadCore E	Mini-ITX Board with 1.2GHz QuadCore E CPU, 1 x VGA, 2 x HDMI, 6 x USB 2.0, 3 x USB 3.0, 4 x COM, 2 x SATA, 2 x GigaLAN, 1 x PCIe
EPIA-M920-10E	1.0GHz VIA Eden™ X2	Mini-ITX Board with 1.0GHz Eden™ X2 CPU, 1 x VGA, 2 x HDMI, 6 x USB 2.0, 3 x USB 3.0, 4 x COM, 2 x SATA, 2 x GigaLAN, 1 x PCIe

## Block Diagram



## Packing List

Items
1 x SATA cable
1 x I/O bracket