

## Mini-ITX Series

NEW

VIA

# EPIA-M920

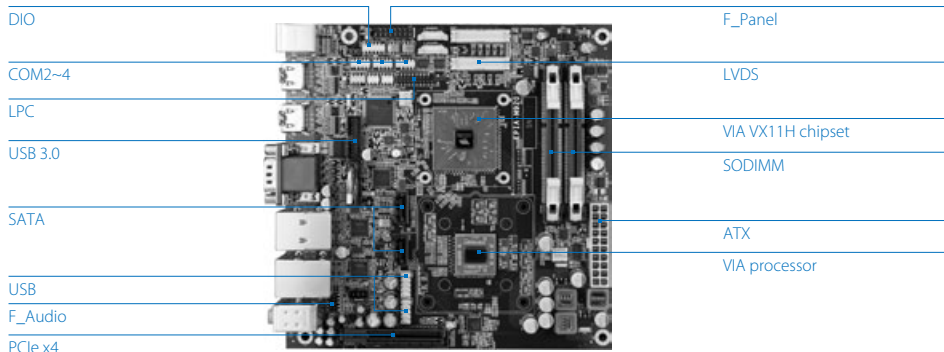
Mini-ITX QuadCore E/Eden™  
X2 CPU with Full HD Video  
Support, SATA, GigaLAN,  
USB 3.0, VGA, HDMI, LVDS &  
PCIe

## Features

- Integrated VIA Chrome™ 640 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



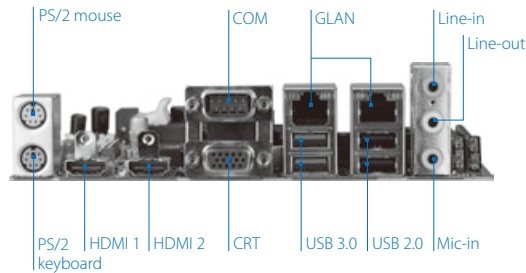
## Board Placement



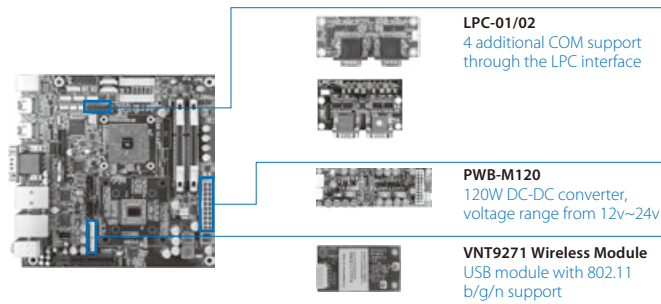
## Specifications

Model Name	EPIA-M920-10E	EPIA-M920-12Q
Processor	1.0GHz VIA Eden™ X2 (fanless)	1.2GHz VIA QuadCore E (with fansink)
Chipset	VIA VX11H Media System Processor	
System Memory	2 x DDR3 1333 SODIMM sockets Supports up to 16GB memory size (The real memory size may show less than 16GB due to some capacity are used for BIOS or other functions)	
VGA	Integrated VIA Chrome™ 640 DX11 3D/2D graphics with MPEG2, WMV9/VC1, H.264 decoding acceleration	
Onboard Serial ATA	2 x SATA connectors	
Onboard LAN	2 x VIA VT6130 PCIe Gigabit Ethernet controllers	
Onboard Audio	VIA VT2021 High Definition Audio Codec	
Onboard Super IO	Fintek F71869E	
Onboard I/O Connectors	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	
Back Panel I/O	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	
I/O Bracket	Standard	
BIOS	AMI BIOS ROM Aptio uEFI 4MB	
Operating System	Windows 7, Windows Embedded Standard 7, POSReady 7, Windows XP Embedded, Linux	

### Back Panel I/O



### Accessories



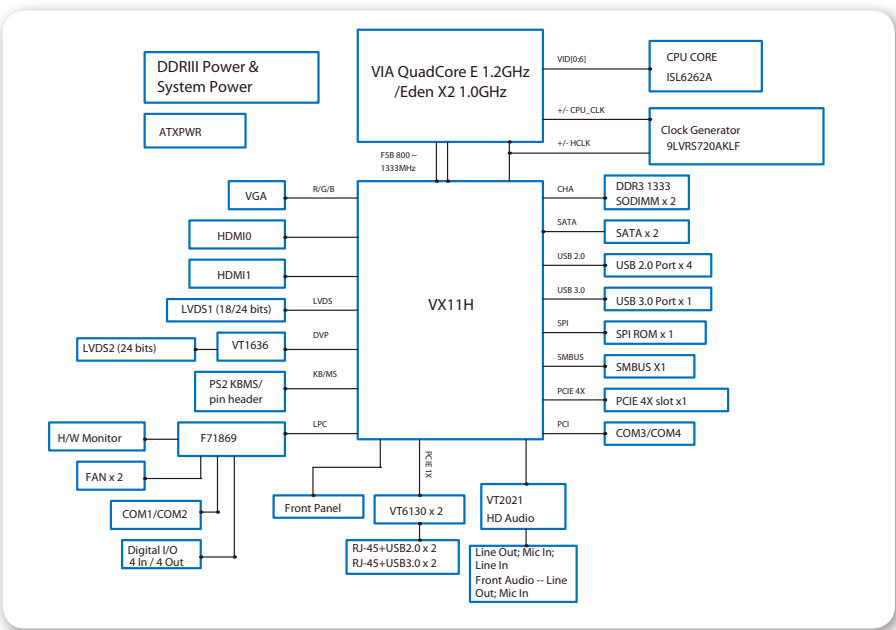
### Specifications

Model Name	EPIA-M920-10E	EPIA-M920-12Q
Power	ATX connector	
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% (relative humidity; non-condensing)	
Form Factor	Mini-ITX, 17 cm x 17 cm (6.7" x 6.7")	
Compliance	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