



999.00 EUR

incl. 19% VAT, plus [shipping](#)

- DirectX 11 !
- VIA VX11H MSP !
- Mini-ITX !
- Advanced I/O !



The VIA EPIA-M920 combines the VIA VX11H Media system processor (MSP) offering DirectX 11 and stereoscopic 3D display support with a choice of a 2.0GHz VIA QuadCore E-Series processor or a 1.6GHz VIA Eden X4 quad core or 1.0GHz VIA Eden X2 dual core processor for low-power, fanless system designs. With its rich I/O feature set and easy expandability, the board provides the ideal solution for a wide array of embedded applications, including the POS, kiosk, ATM, gaming, digital signage, healthcare, and digital media applications.

#### Hardware

Based on the Mini-ITX form factor measuring 17cm x 17cm, the VIA EPIA-M920 comes with a rich set of I/O and connectivity features, including two HDMI ports, one VGA port, two 18/24-bit LVDS connectors, three USB 3.0 ports, six USB 2.0 ports, and support for up to four COM ports.

#### Software

The EPIA-M920 is compatible with Microsoft Windows 10 IoT, Windows 10, Windows 8.1, Windows 8, Windows 7, WES7, and Windows XP, as well as most popular Linux distributions. A wide range of software development tools are also available, including the VIA Smart ETK.

#### Expandability

The functionality of the VIA EPIA-M920 can be further enhanced with the integration of an optional high-speed Wi-Fi module and I/O expansion cards supporting up to four COM ports.

| Model Name    | EPIA-M920                                                                                                                                       |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor     | <b>-20Q:</b> 2.0GHz VIA QuadCore E-Series (With Fan)<br><b>-16QE:</b> 1.6GHz VIA Eden X4 (Fanless)<br><b>-10E:</b> 1.0GHz VIA Eden X2 (Fanless) |
| Chipset       | VIA VX11H Media System Processor                                                                                                                |
| BIOS          | AMI Aptio UEFI BIOS, 4Mbit Flash memory                                                                                                         |
| System Memory | 2 DDR3 1333 SODIMM slots<br>Up to 8GB memory per slot                                                                                           |
| Storage       | 2 SATA connectors                                                                                                                               |

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Graphics                         | Integrated C-640 DX11 3D/2D graphics with MPEG-2, WMV9, VC1 and H.264 video decoding acceleration                                                                                                                                                                                                                                                                                                        |
| LAN                              | Realtek RTL8111G (EPIA-M920-10E: VIA VT6130)                                                                                                                                                                                                                                                                                                                                                             |
| Audio                            | VIA VT2021 High Definition Audio Codec                                                                                                                                                                                                                                                                                                                                                                   |
| Super I/O                        | Fintek F71869E                                                                                                                                                                                                                                                                                                                                                                                           |
| Expansion I/O                    | 1 PCIe x4 slot<br>2 SATA connectors<br>2 SATA DOM power selectors<br>1 USB 3.0 pin header for 1 port<br>2 USB 2.0 pin headers for 4 ports<br>1 Dual channel 18/24-bit LVDS panel connector<br>1 Single channel 18/24-bit LVDS panel connector<br>3 COM port pin headers (powered with selectable 5V/12V)<br>1 LPC pin header                                                                             |
| Onboard I/O                      | 1 SMBus pin header<br>1 S/PDIF-out connector<br>1 Digital I/O pin header (4 GPI + 4 GPO)<br>1 Front audio pin header for Line-out, Mic-in<br>2 Smart Fan pin headers for CPU and system<br>2 Backlight control connectors for inverter power and brightness control<br>1 SD card (SDHC/SDXC) pin header<br>1 ATX power connector<br>1 PCIe x4 slot<br>2 USB 3.0 ports<br>2 USB 2.0 ports<br>2 HDMI ports |
| Back Panel I/O                   | 1 VGA port<br>1 COM (powered with selectable 5V/12V)<br>2 Gigabit Ethernet ports<br>3 Audio jacks: Line-in, Line-out, and Mic-in<br>2 PS/2 keyboard/mouse ports                                                                                                                                                                                                                                          |
| Power Supply                     | ATX power connector                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating System                 | Windows 10 / 8.1 / 8 / 7, Win 10 IoT, WES 7, Linux, POSReady 7                                                                                                                                                                                                                                                                                                                                           |
| System Monitoring and Management | Wake-on-LAN, Keyboard Power-on, Timer Power-on, System power management, AC power failure recovery, Watchdog Timer                                                                                                                                                                                                                                                                                       |
| Operating Temperature            | 0°C ~ 60°C                                                                                                                                                                                                                                                                                                                                                                                               |
| Operating Humidity               | 0% ~ 95% (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                |
| Form Factor                      | Mini-ITX (17cm x 17cm, 6.7" x 6.7")                                                                                                                                                                                                                                                                                                                                                                      |
| Compliance                       | CE/FCC                                                                                                                                                                                                                                                                                                                                                                                                   |