



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 | - 20Q : 2.0GHz VIA QuadCore E-Series (With Fan) - 16QE : 1.6GHz VIA Eden X4 (Fanless) - 10E : 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 Up to 8GB memory per slot |
| Storage | 2 SATA connectors |

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|----------------------------------|--|
| 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 2 SATA connectors 2 SATA DOM power selectors 1 USB 3.0 pin header for 1 port 2 USB 2.0 pin headers for 4 ports 1 Dual channel 18/24-bit LVDS panel connector 1 Single channel 18/24-bit LVDS panel connector 3 COM port pin headers (powered with selectable 5V/12V) 1 LPC pin header 1 SMBus pin header |
| Onboard I/O | 1 S/PDIF-out connector 1 Digital I/O pin header (4 GPI + 4 GPO) 1 Front audio pin header for Line-out, Mic-in 2 Smart Fan pin headers for CPU and system 2 Backlight control connectors for inverter power and brightness control 1 SD card (SDHC/SDXC) pin header 1 ATX power connector 1 PCIe x4 slot 2 USB 3.0 ports 2 USB 2.0 ports 2 HDMI ports 1 VGA port |
| Back Panel I/O | 1 COM (powered with selectable 5V/12V) 2 Gigabit Ethernet ports 3 Audio jacks: Line-in, Line-out, and Mic-in 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 |