

Item no.: 349241

## IPFire ready system - APU2E4, 4 GB RAM, 16 GB mSATA SSD, 19" rack housing

from **420,90 EUR**

Item no.: 349241  
 shipping weight: 4.64 kg  
 Manufacturer: VARIA Group



### Product Description

IPFire Ready System - APU2E4, 4 GB RAM, 16 GB mSATA SSD, 19" rack housing

IPFire is a hardened Linux appliance distribution with primary use as a firewall.

With IPFire comes enterprise-ready network protection for everyone - from home networks to large enterprises, school networks and government agencies. A special focus is placed on security, stability and ease of use. Additional functions can be installed with just one click. Security

The main focus of IPFire is security. Especially with such an extensive topic, there is not only one way to achieve a maximum level of security. It is at least as important for the network administrator to understand their needs and act accordingly. For this purpose, IPFire provides a basis that divides individual network segments according to their security levels and also allows them to be subsequently adapted according to one's own requirements.

Equally high priority is given to the security of the modular components. Updates are digitally signed, encrypted and can be installed automatically via the Pakfire package management system. Typically, IPFire is directly connected to the internet, making it a target for hackers and other threats. The packet management system helps the administrator to be sure that all important gaps are plugged and bugs are eliminated in all deployed components. Firewall

IPFire uses a stateful packet inspection (SPI) firewall, which is based on the Linux packet filtering framework Netfilter. During the IPFire installation process, the network is divided into several separate segments. This security scheme implies a perfect fit for each system on the network. Each segment can be added as needed, depending on the location and purpose, and all systems in a segment are treated with the same security policy. PC Engines APU2E4 system board, 1 GHz, 4 GB DDR3 RAM, 3x LAN

The successor to the successful ALIX board combines the previous functionality of ALIX.2D13 and ALIX.6F2 in a single board with more computing power, more processor performance and faster data storage and is suitable for many more tasks.

The PC Engines APU system board is a low-cost single board computer (SBC) based on the AMD Embedded G-Series processors for a wide range of applications such as (wireless) LAN routers, firewalls, load balancers, VPN routers, thin clients, compact servers, NAS, etc.

The system can be booted from SD card, USB media, mSATA-SSD module, SATA connection and via the network. The AMD Quad-Core processor with a clock speed of 1 GHz is provided with 4 GByte RAM as standard and the entire board stands out for its low power consumption.

- APU2E update: The size of the battery socket has been changed to avoid contact problems. Added signal integrity resistor for core voltage control signal

Scope of delivery:

- 1x 19" DualRack enclosure with single-slot front panel
- 1x APU2E4 board
- 1x 16 GB mSATA SSD with pre-installed IPFire software
- 1x power supply unit (12 V, 3 A)
- 1x power cable set incl. power cable and suitable connection cable for connecting the board to the power supply unit
- 1x network cable (1 m)

The unit is delivered pre-assembled.

- CPU: AMD Embedded G Series GX-412TC, 1 GHz Quad Jaguar Core with 64 bit and AES-NI support, 32K data + 32K instruction cache per core, shared 2 MB L2 cache
- DRAM: 4 GB DDR3-1333 DRAM
- Storage: boot from mSATA-SSD, SD card (internal sdhci controller) or external via USB, 1x SATA + power connector
- 12 V DC, around 6 to 12 W depending on CPU load, built-in socket = 2.5 mm, positive inner conductor
- Connectivity: 3 Gigabit Ethernet channels (Intel i210NIC)
- I/O: serial DB9 interface, 2x USB 3.0 external + 2x USB 2.0 internal, 3x LEDs on the front, push-buttons
- Extension: 2x miniPCI-express (1x with SIM connector), LPC bus, GPIO header, I2C bus, COM2 (3.3 V RXD/TXD)
- Board size: 6 x 6" (152.4 x 152.4 mm) - like apu1d, alix2d13 and wrap1e
- Firmware: Coreboot
- Cooling: Conductive cooling from CPU to case with 3 mm thick aluminium heatspreader (included)

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prices and availability

