



Lightning Wire Labs

IPFire Ultimate Appliance

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Fourteen cores, 25 Gigabit fibre and redundant power — for networks that cannot afford to stop.



Illustration: shows the IPFire Enterprise Appliance

Built For The Core Of Your Network

When the firewall sits between your data centre and the internet, it must never be the bottleneck — and it must never go down. The Ultimate Appliance brings a fourteen-core Intel® Xeon® D processor and 32 GB of ECC memory to the job, so that Intrusion Prevention, the DNS Firewall and your VPNs keep up with the uplinks you actually have.

Eight Ports, Three Speeds

Two 25 Gigabit SFP28 ports for your fibre uplinks and core switches, two 10 Gigabit copper ports for servers and storage, and four Gigabit ports for management, DMZs and everything else. Separate your network the way it is really built — without adapters and without compromises.

Made To Keep Running

Two power supplies, each with its own cable, keep the appliance going when one of them fails or a power feed goes down. Five hot-swappable fans can be replaced while it is carrying traffic, and the dedicated IPMI 2.0 interface gives you the console remotely, even when the system itself is not answering.

Room To Grow

A PCIe 4.0 x16 slot takes further network adapters as your network grows — from more 10 Gigabit ports all the way to 100 Gigabit.

Designed For

1. Data centres and hosting providers that connect their customers at 10 and 25 Gigabit
2. Large companies with multi-gigabit uplinks and many networks to separate
3. Universities and educational organisations with thousands of users
4. Service providers who need one supported platform for their most demanding sites

Every unit ships with IPFire pre-installed, supported by the developers who build it — and every appliance sold funds the continued development of the distribution running on it.

Hardware

Processor	Intel® Xeon® D-2700 Series, 14 cores
Memory	32 GB DDR4 ECC
Storage	512 GB NVMe SSD
Console & I/O	VGA, 2× USB 3.0
Management	IPMI 2.0
Expansion	1× PCIe 4.0 x16, full profile
Form Factor	Rack-mountable, 1U
Cooling	Five hot-swappable fans

Network

Network Ports	2× 25 GbE SFP28, 2× 10 GbE (Intel® X550), 4× 1 GbE (Intel® i350)
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Performance

Cryptography	AES-NI
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Power & Environment

Power Supply	Redundant, two power supplies
Operating Temperature	0–40 °C / 32–104 °F
Humidity	8–90 %, non-condensing

In The Box

- IPFire Ultimate Appliance
- Two EU, UK or US Power Cables
- Setup Guide

Dimensions	H: 43mm, W: 437mm, L: 399mm
Weight	8.16 kg
Warranty	2 years





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