

NETGATE 6100 MAX

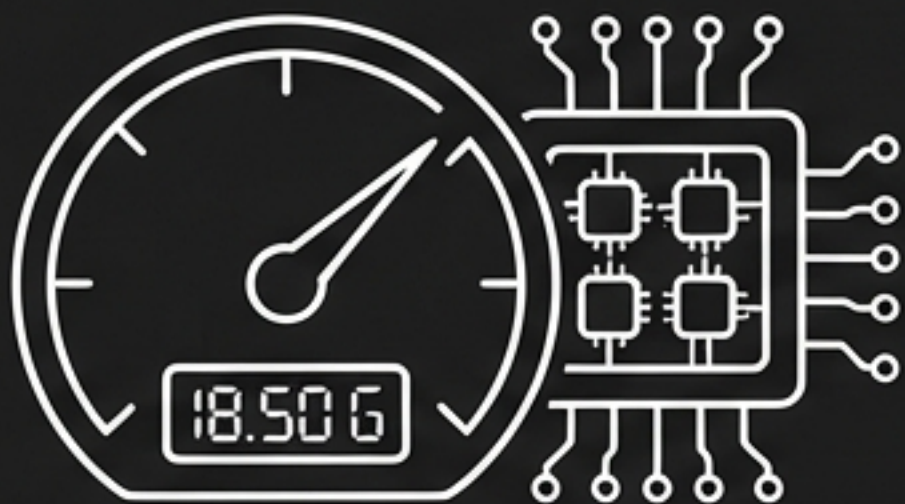
Silence Meets 10 Gbps Performance

Enterprise-grade L3 routing and security in a silent, passive-cooled desktop form factor.



Powered by pfSense® Plus Software

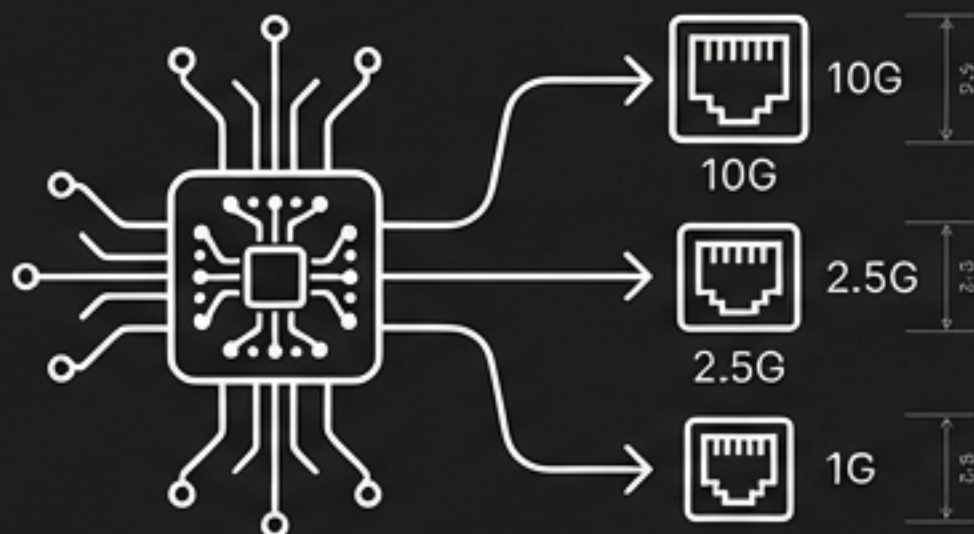
The Versatile Security Gateway



Performance

18.50 Gbps L3 Routing.

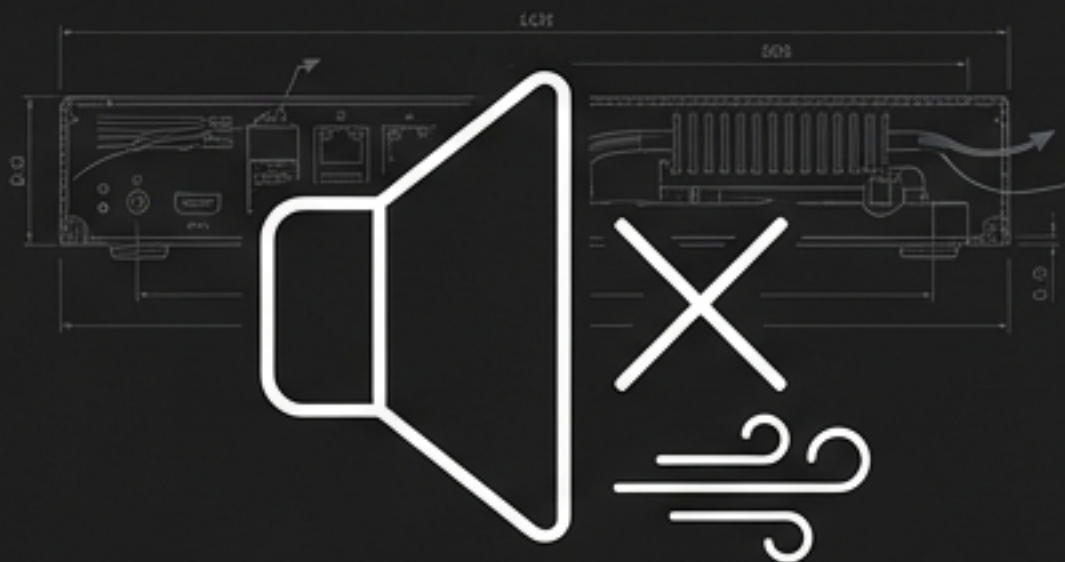
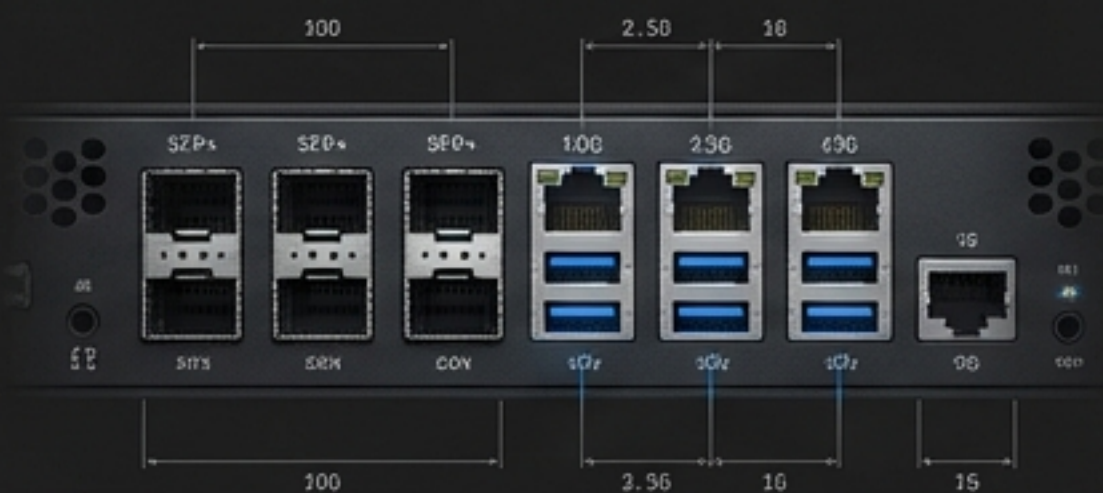
Powered by an Intel Atom C3558 Quad Core CPU tailored for high throughput.



Connectivity

Flexible WAN/LAN.

A mix of 10 GbE, 2.5 GbE, and 1 GbE ports to adapt to any edge environment.



Design

Zero Noise.

A passive cooling system ideal for desktops, edge deployments, and noise-sensitive offices.



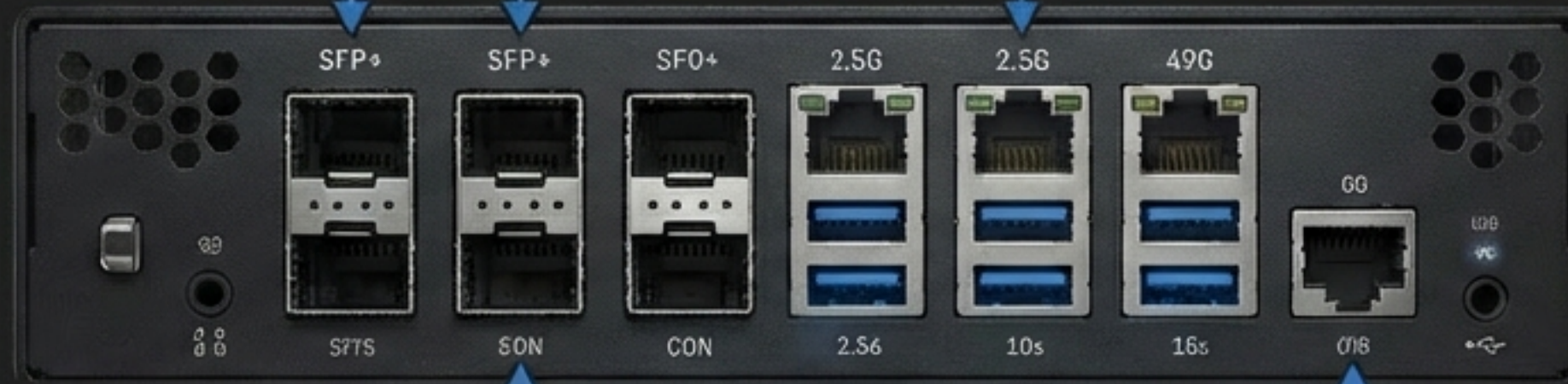
Unmatched Connectivity Options

(2) 10 GbE SFP+ Ports

High-speed fiber WAN connectivity

(4) 2.5 GbE Ports

Discrete, unswitched RJ-45 LAN



(2) 1 GbE Combo Ports

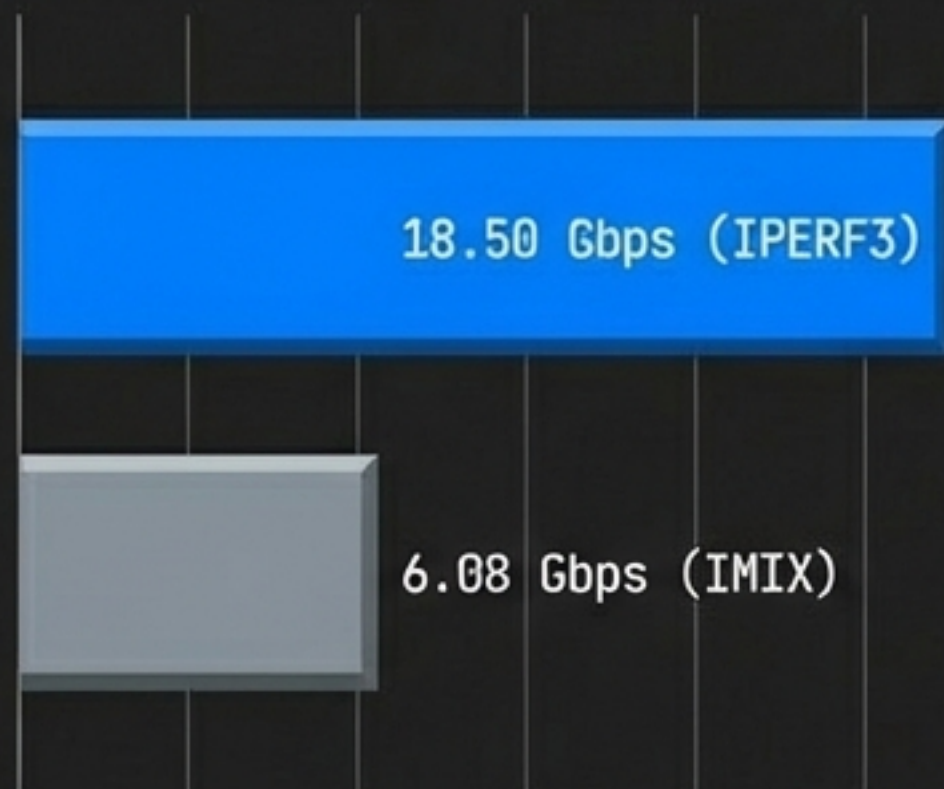
Flexible RJ45/SFP Media Detect

Console Port

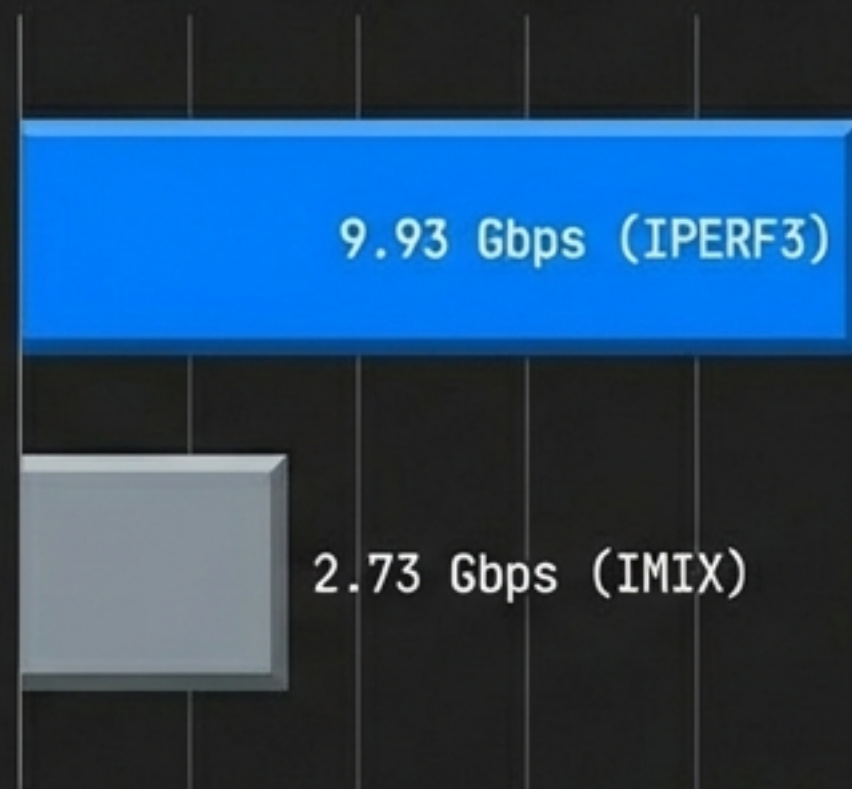
Cisco pinout
RJ45 + micro-USB

Validated Performance Benchmarks

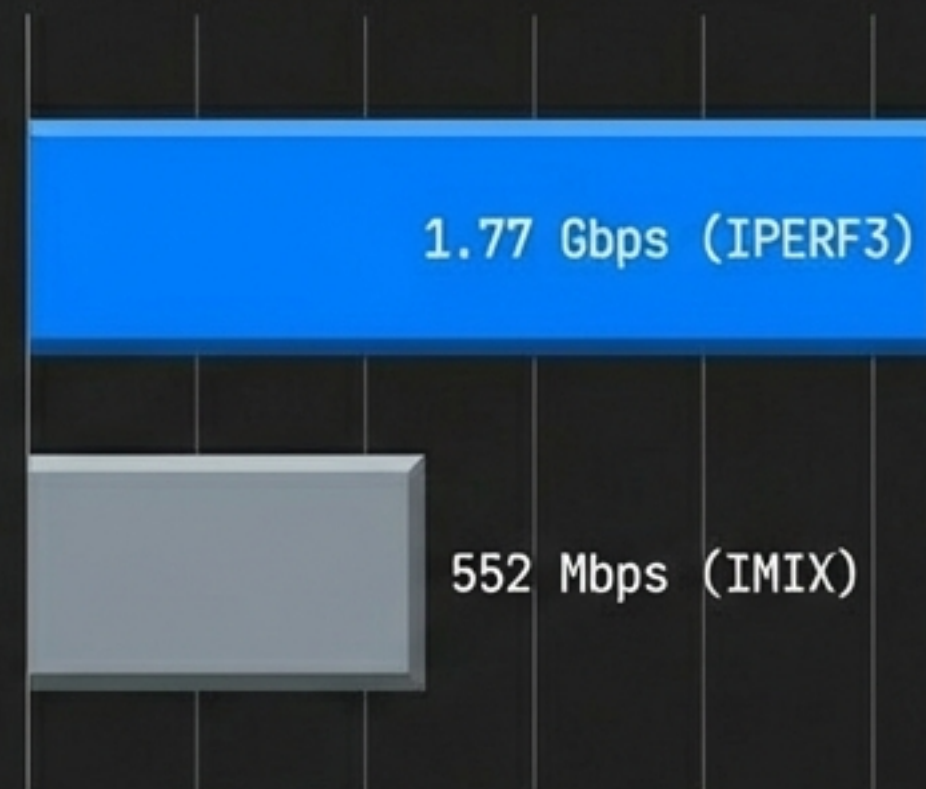
L3 Forwarding



Firewall (10k ACLs)

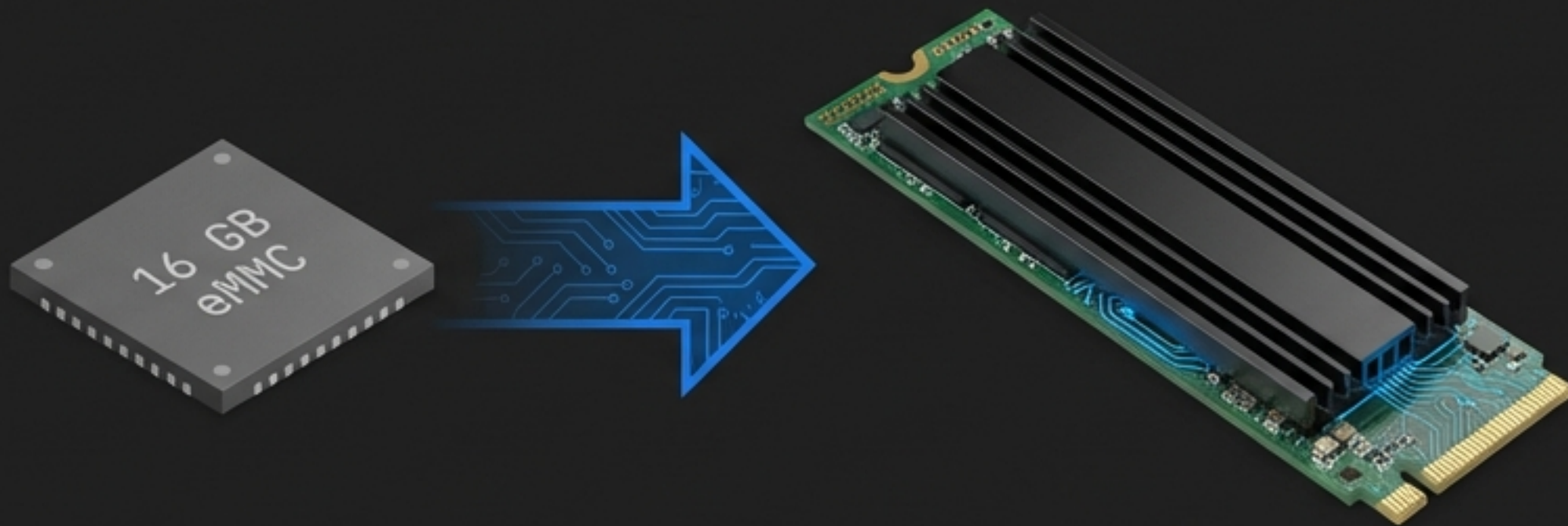


IPsec VPN (AES-GCM-128 w/ QAT)



Benchmarks conducted with pfSense Plus software version 22.01

The MAX Advantage



Standard 16
GB eMMC

128 GB NVMe
M.2 SSD

1. Future Proofing

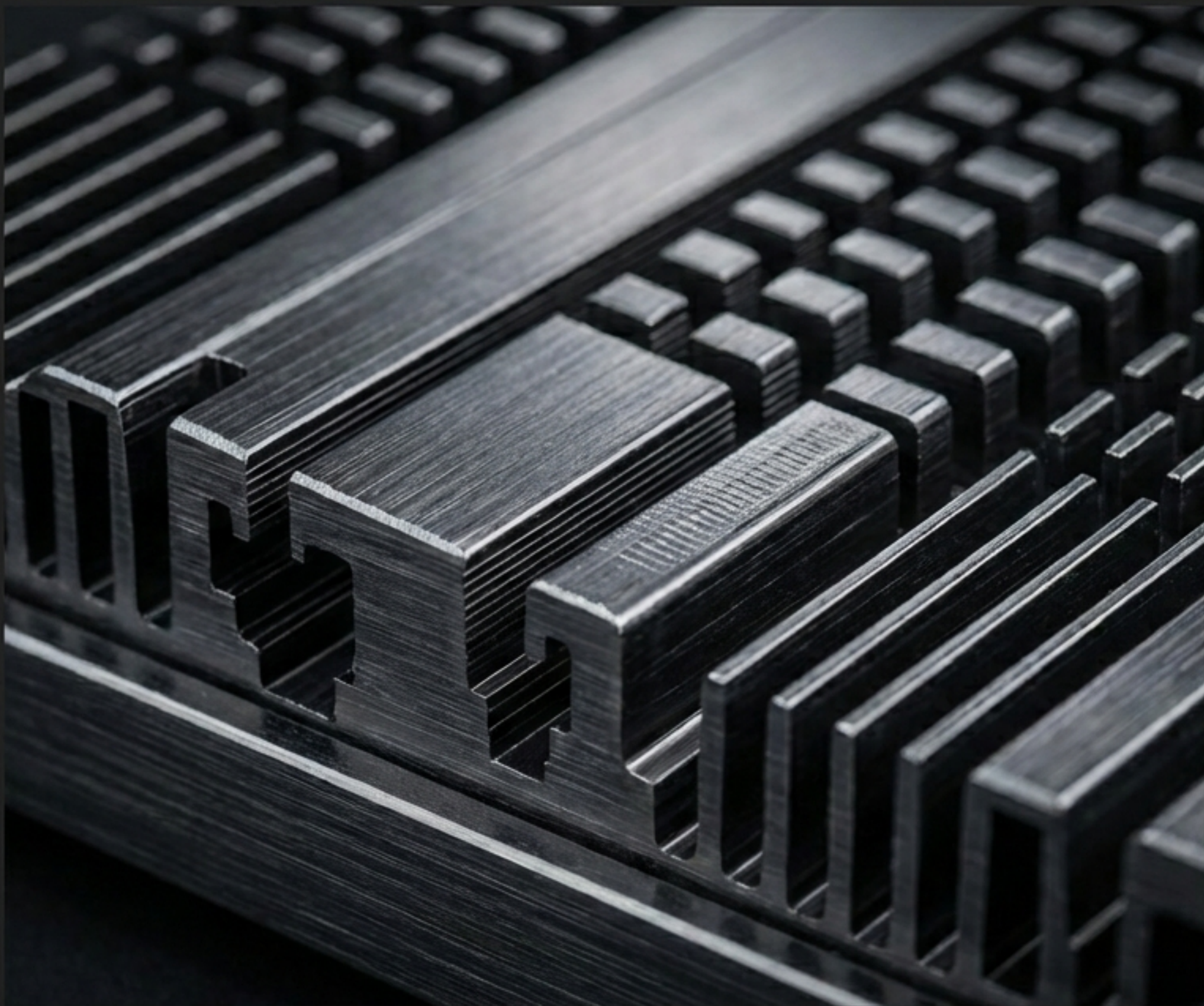
Ample space for packages like Snort, Suricata, and pfBlockerNG.

2. Logs & Caching

Superior capacity for local logging and web caching.

3. Speed

Faster boot times and write speeds.



0 dB

Powerful Performance. Complete Silence.

Passive Cooling System

The chassis acts as a high-efficiency heatsink, allowing the device to run full-bore without fans. No noise pollution. No moving parts to fail.

Power Draw: 60W PSU

Dimensions: 254 x 200 x 47.63 mm

Powered by pfSense® Plus



- Commercial-grade OS tailored for Netgate hardware.
- Utilizes QAT and AES-NI instructions for maximum hardware efficiency.
- Combines traditional management mechanisms with flexible 3rd-party application options.
- Performance, flexibility, and reliability without proprietary markups.

Enterprise-Grade Security Capabilities



Firewall

Stateful filtering, per-interface configuration, and Ethernet (L2) rule-based filtering.



Attack Prevention

IDS/IPS support via Snort-based packet analysis and L7 application detection.



Content Control

Geo-blocking (country block lists), IP/DNS filtering, and domain blacklisting.



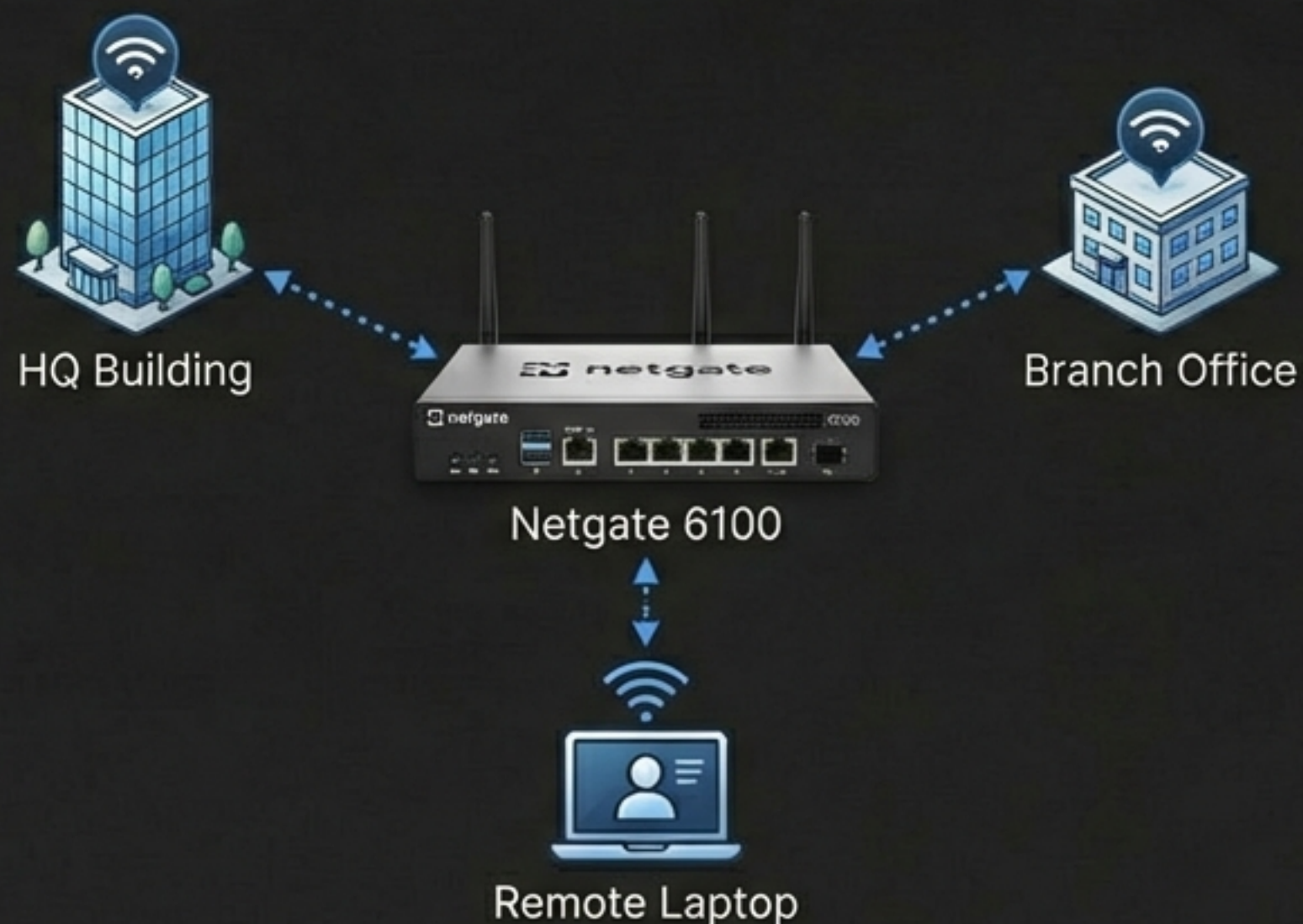
Advanced Routing

Policy-based routing and multiple IP addresses per interface.

Robust VPN & Remote Access

Protocols

- Full support for IPsec, OpenVPN, and WireGuard®.



Capabilities

- Site-to-Site and Remote Access.
- Split Tunneling.
- OpenVPN Data Channel Offload (DCO).

1.77 Gbps IPsec Throughput

Ideal Deployment Scenarios

SMB & Branch Office

High-speed Gigabit connections for main offices or heavy-load branches.



Managed Service Providers

An ideal on-premises appliance for managed security services (MSP/MSSP).



Edge Deployments

Perfect for space-constrained areas where rack mount systems are not an option.



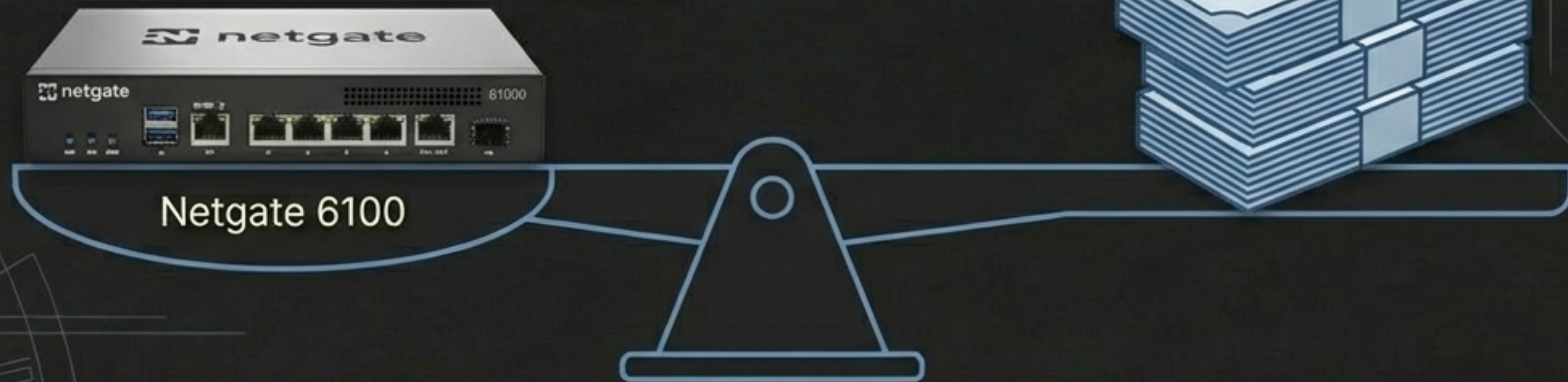
Pro-Home / Remote

Enterprise-grade protection for home offices with zero fan noise.



Low Total Cost of Ownership (TCO)

- ✓ No Artificial Limits: System is fully functional out of the box.
- ✓ No Per-User Pricing: Unlimited users.
- ✓ Unlimited Firewall Rules.
- ✓ Unlimited IPsec Tunnels.
- ✓ Dual WAN Support included.
- ✓ Low Power Consumption (60W).



All at a fraction of the cost of proprietary alternatives.

Technical Specifications

Feature	Specification
Power	External ITE P/S AC/DC 100-240V, 12V 5.0A (60W)
Dimensions	254 x 200 x 47.63 mm
Temp Range	0°C to 40°C operating temperature
Mounting	Wall or rack mount kits available
Expansion	2x m.2 (Key-B) with dual-SIM support
Certifications	FCC (Class B), IEC / CE, CB, UL, RoHS, UKCA

Support & Business Assurance



Global Support

Complimentary 24x7 zero-to-ping support included. TAC Lite included.



Community & Docs

Access to continuously updated documentation and active community forums.



Warranty & Backup

One-year hardware warranty. Automatic Encrypted Configuration Backup (ACB) included.

The Netgate 6100 MAX



1. Versatile: 10 GbE / 2.5 GbE ports.
2. Powerful: 18 Gbps Routing.
3. Silent: Passive cooling.

Contact sales@netgate.com for orders and enquiries.