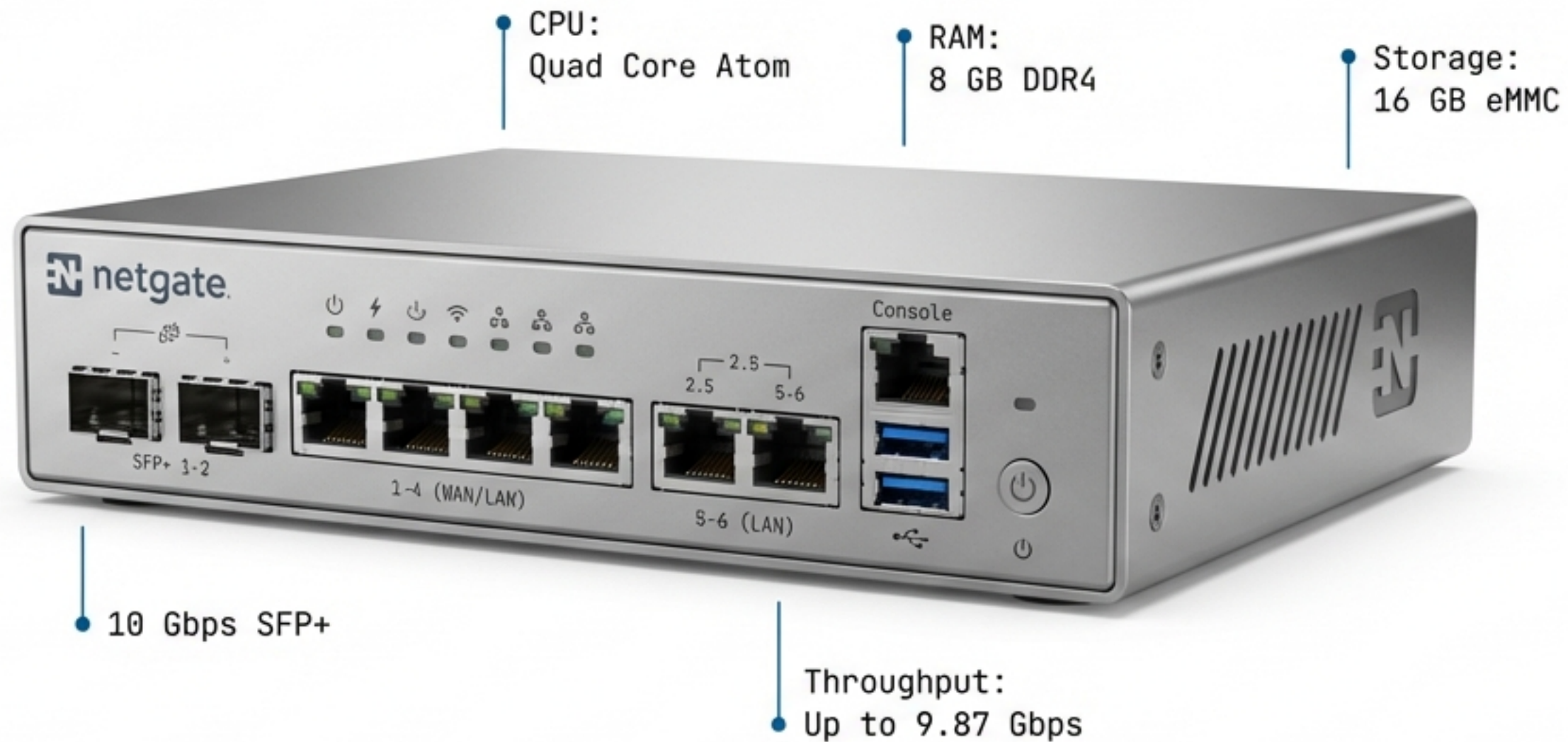


# Netgate 6100 Base Security Gateway

Silent Operation. Versatile Connectivity. Uncompromised Power.



Powered by  
pfSense® Plus Software

# The Edge Gateway, Redefined

The Netgate 6100 combines the throughput of a rack-mount unit with the footprint of a desktop appliance. Engineered for managed service providers, enterprise branches, and performance enthusiasts.



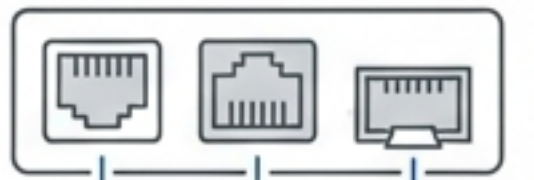
## 18+ Gbps Routing

L3 forwarding capability



## Passive Cooling

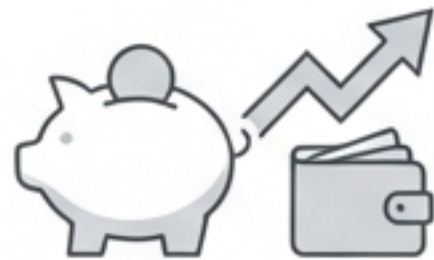
Zero noise, high reliability



1 GbE 2.5 GbE 10 GbE SFP+

## Flexible WAN/LAN

1 GbE, 2.5 GbE, and 10 GbE SFP+



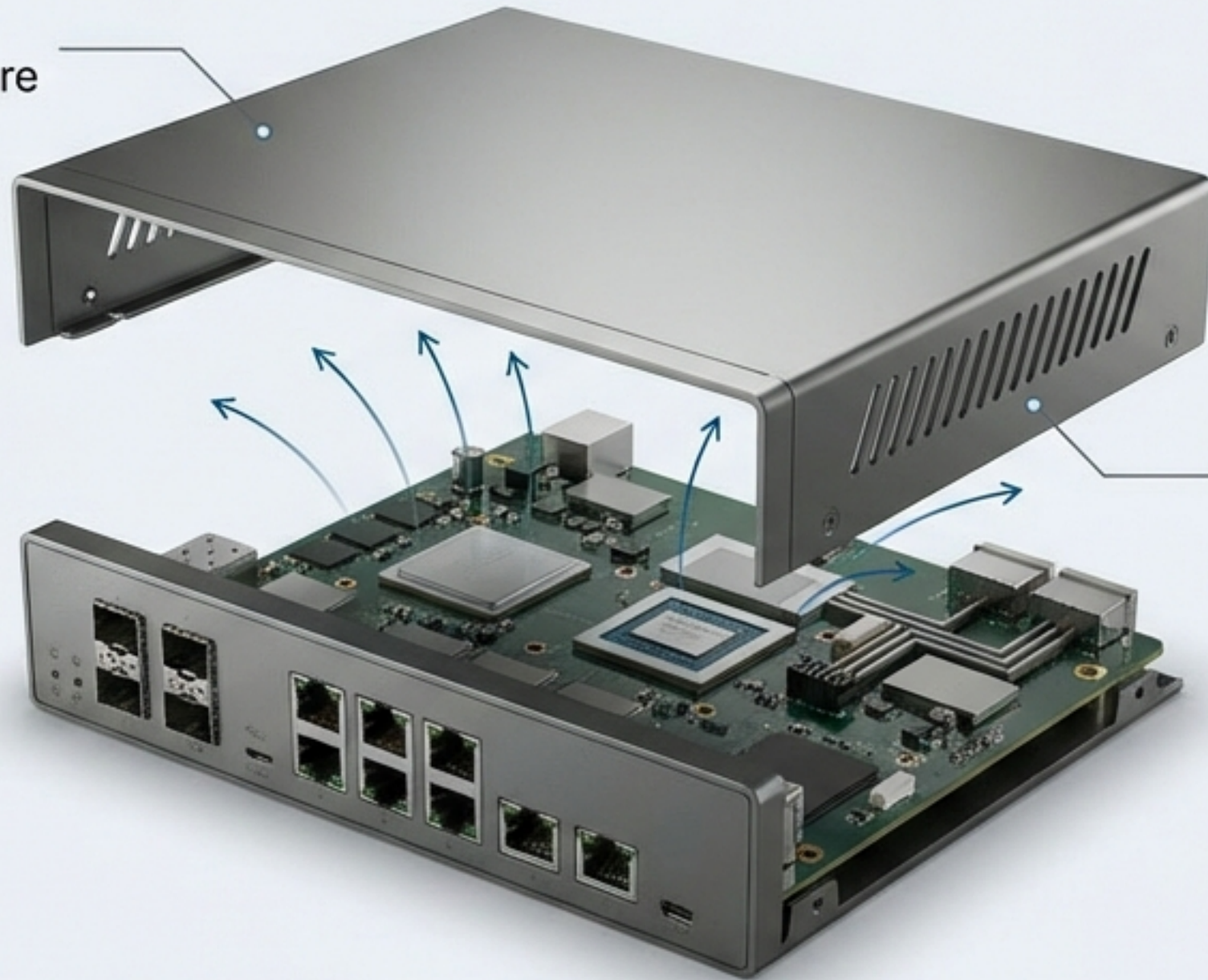
## Low TCO

No artificial limits or per-feature licensing fees



# Silence is Golden

Aluminium &  
Steel Enclosure



Passive  
Heatsink Case

COOLING

Passive (Fanless)

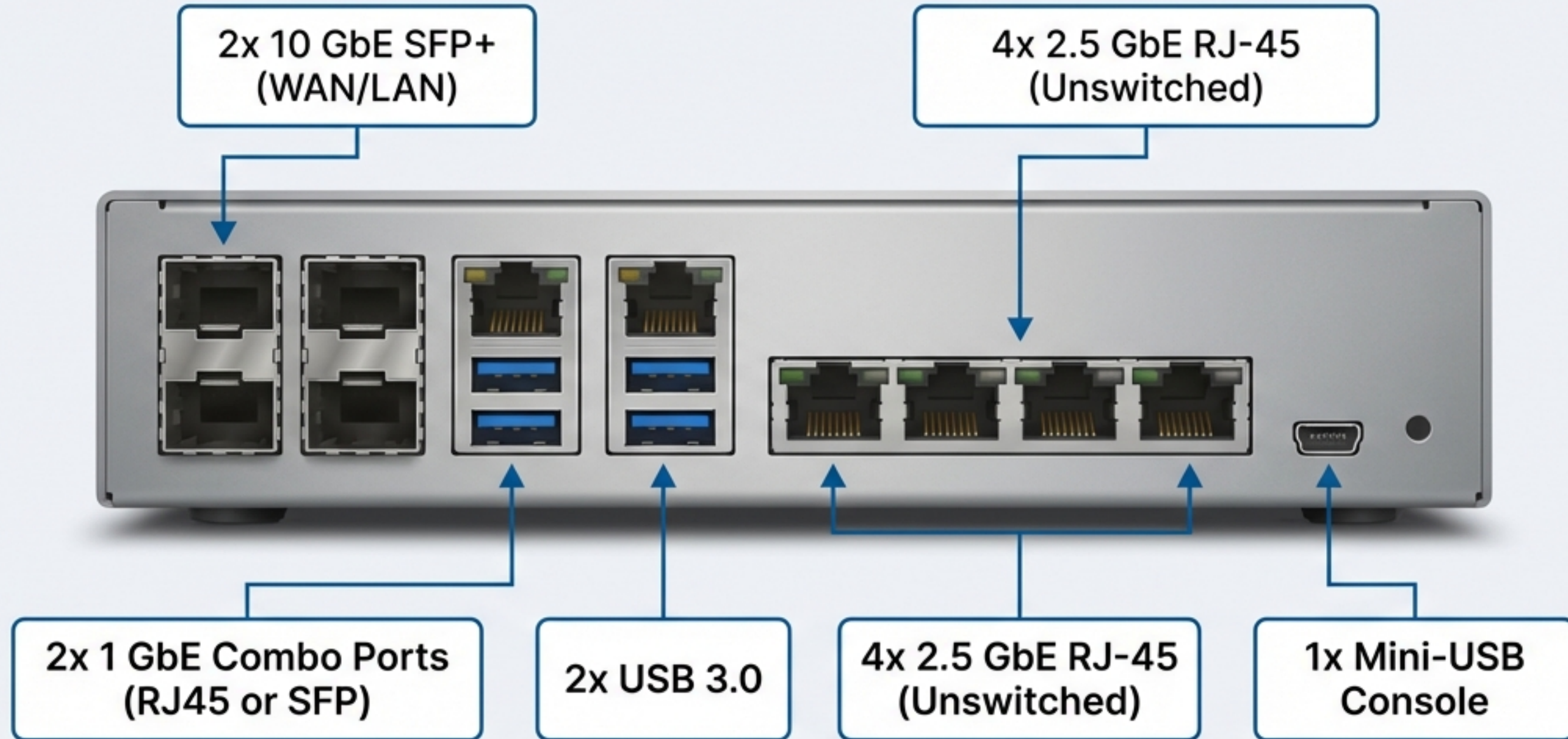
DIMENSIONS

254 x 200 x 47.63 mm

MOUNTING

Desktop / Wall / Rack

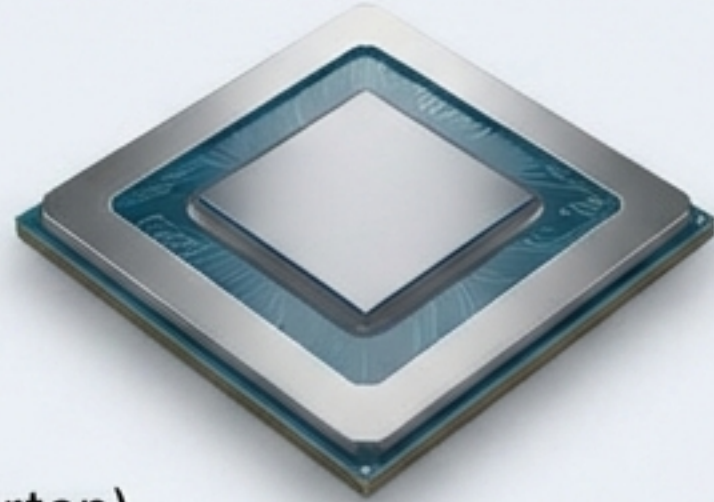
# Connect Anything, Anywhere



# Engineered for Throughput

## Processor

Intel® Atom®  
**C3558**

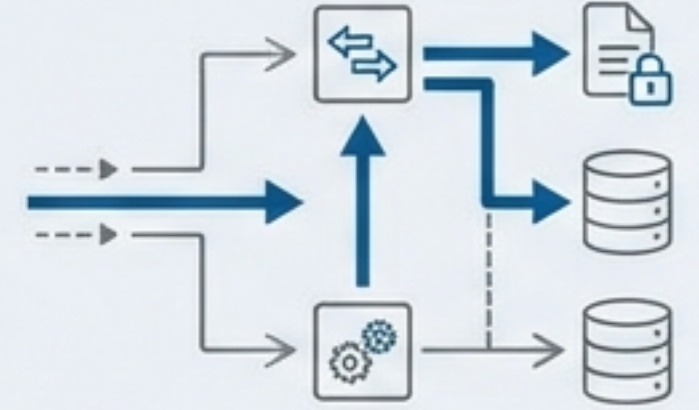


Quad Core @ 2.2 GHz (Denverton)

## Acceleration

QuickAssist  
Technology (QAT)  
& **AES-NI**

Increases RAM efficiency by up to 50%



## Memory

**8 GB DDR4**

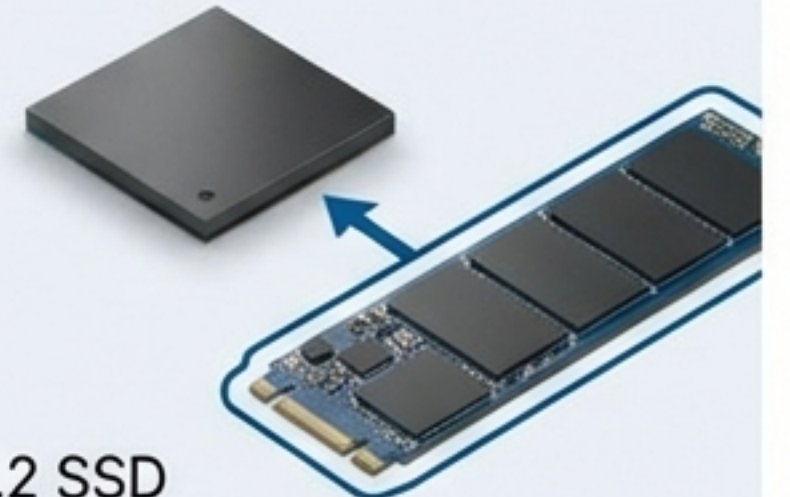


Optimized for IDS/IPS stability

## Storage

**16 GB eMMC**

Upgradable to 128 GB NVMe M.2 SSD

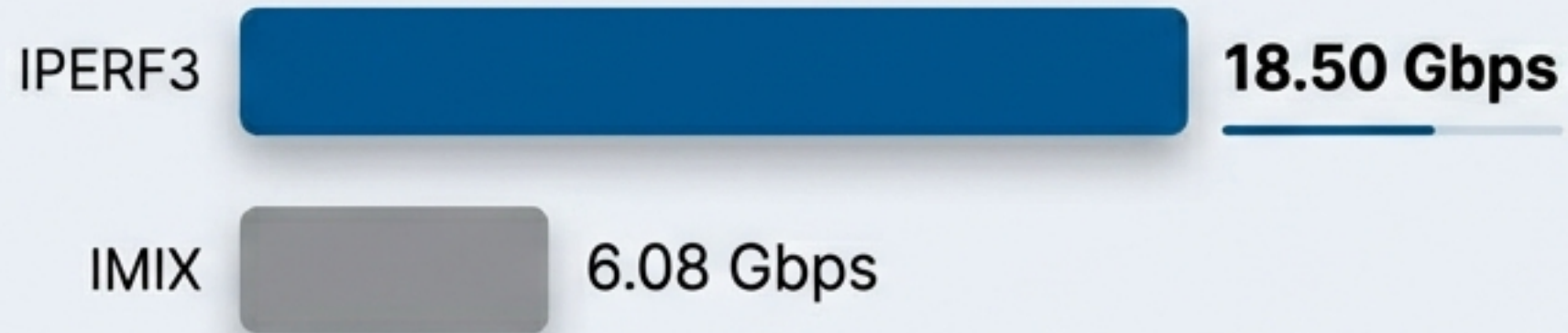


Inter Tight

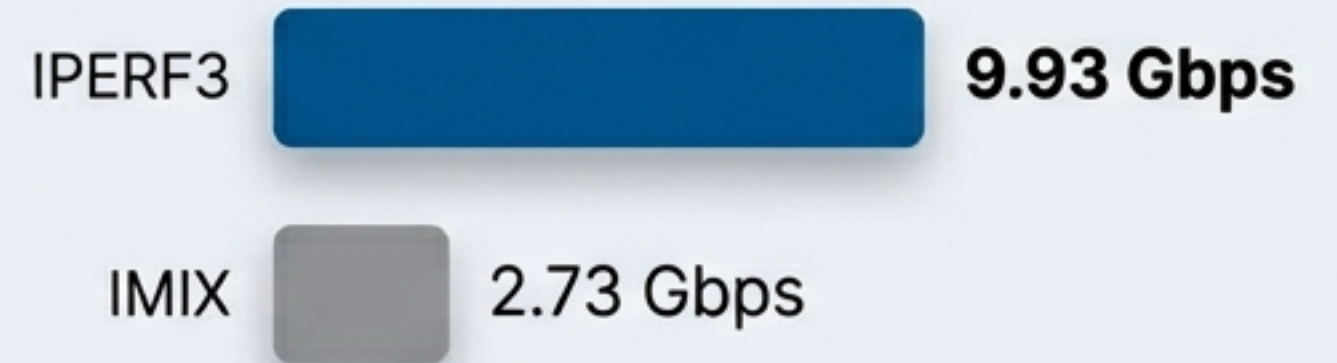
# Proven Speed

Throughput Performance (pfSense Plus 22.01)

## L3 Forwarding



## Firewall (10k ACLs)



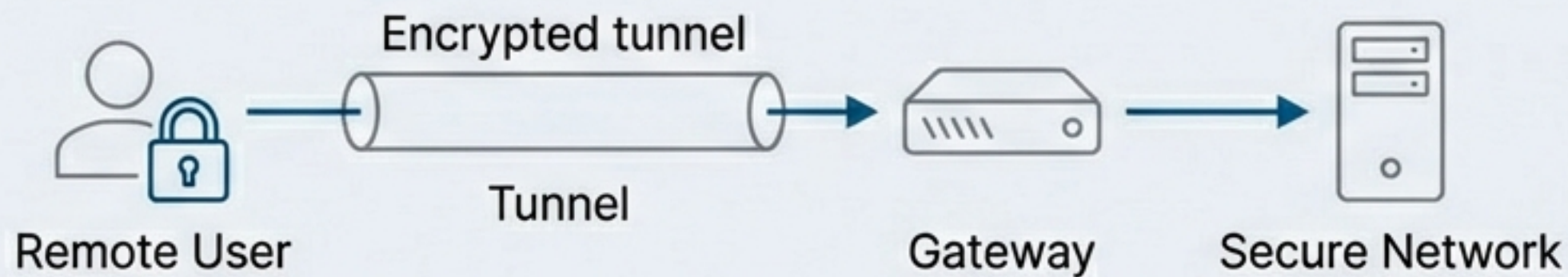
Inter Tight

# Secure Remote Access

# 1.77 Gbps

**IPsec VPN Throughput (IPERF3, AES-GCM-128 w/QAT)**

High-performance encryption powered by Intel IPsec Multi-Buffer (IIMB) and QAT offloading.



- IPsec (Site-to-Site & Remote Access)
- OpenVPN (Data Channel Offload)
- WireGuard®
- Amazon VPC Wizard Integration

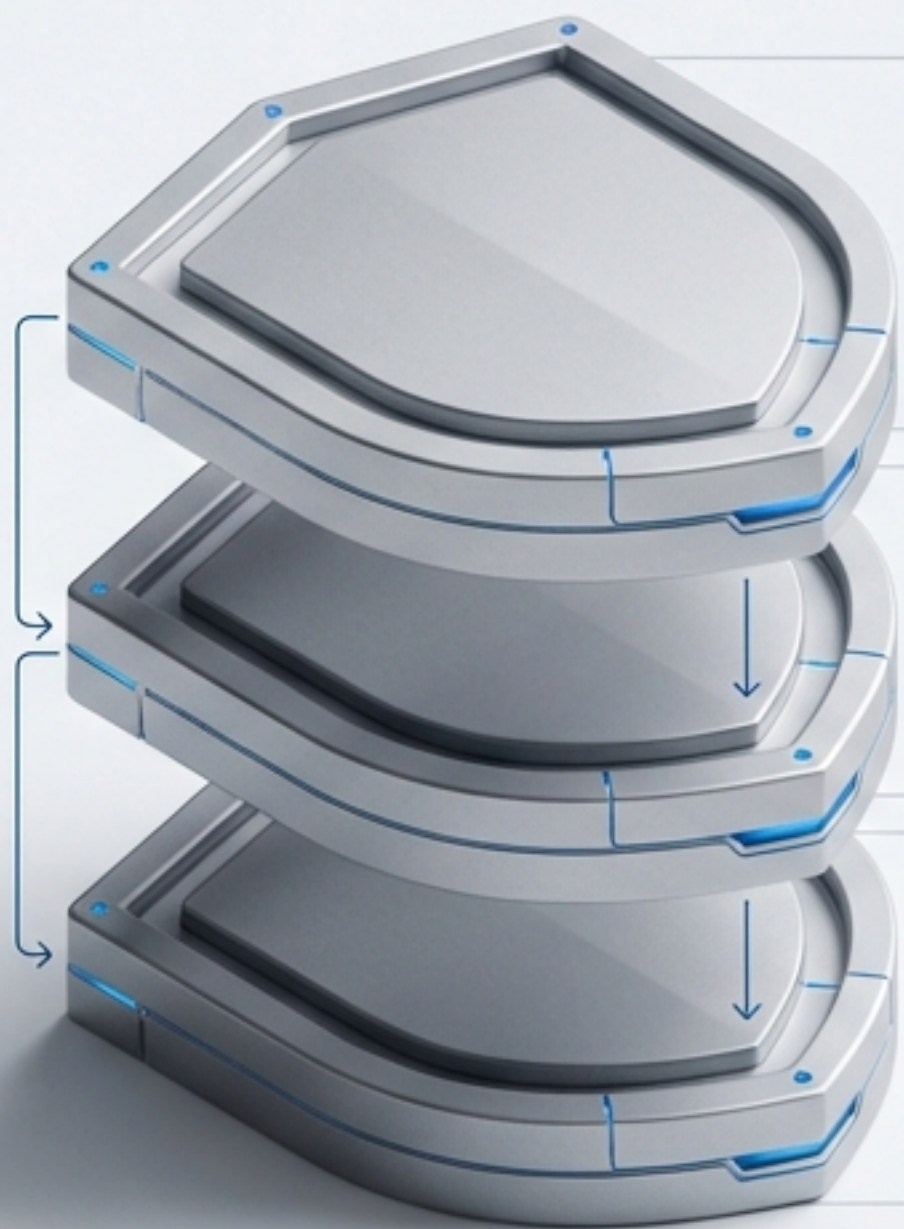
# The pfSense+ Advantage

Enterprise-grade features with no proprietary lock-in.

| ROUTING                                                                                                                                  | SERVICES                                                                                                                                      | RELIABILITY                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Policy-based routing</li><li>• Multi-WAN load balancing</li><li>• Concurrent IPv4/IPv6</li></ul> | <ul style="list-style-type: none"><li>• DNS/DHCP Server</li><li>• Captive Portal</li><li>• Reverse Proxy</li><li>• UTM Capabilities</li></ul> | <ul style="list-style-type: none"><li>• High Availability (HA) Clustering</li><li>• Auto Encrypted Config Backup (ACB)</li><li>• Failover WAN</li></ul> |

**Future Ready:** Hardware compatible with TNSR software for high-performance upgrades.

# Granular Defence



## Firewalling

Stateful filtering, Deep packet inspection, Per-interface configuration.

## Intrusion Detection

IDS/IPS via Snort-based packet analysis.

## Content Control

JetBrains: Layer 7 application blocking, Geo-blocking, IP block lists, DNS filtering.

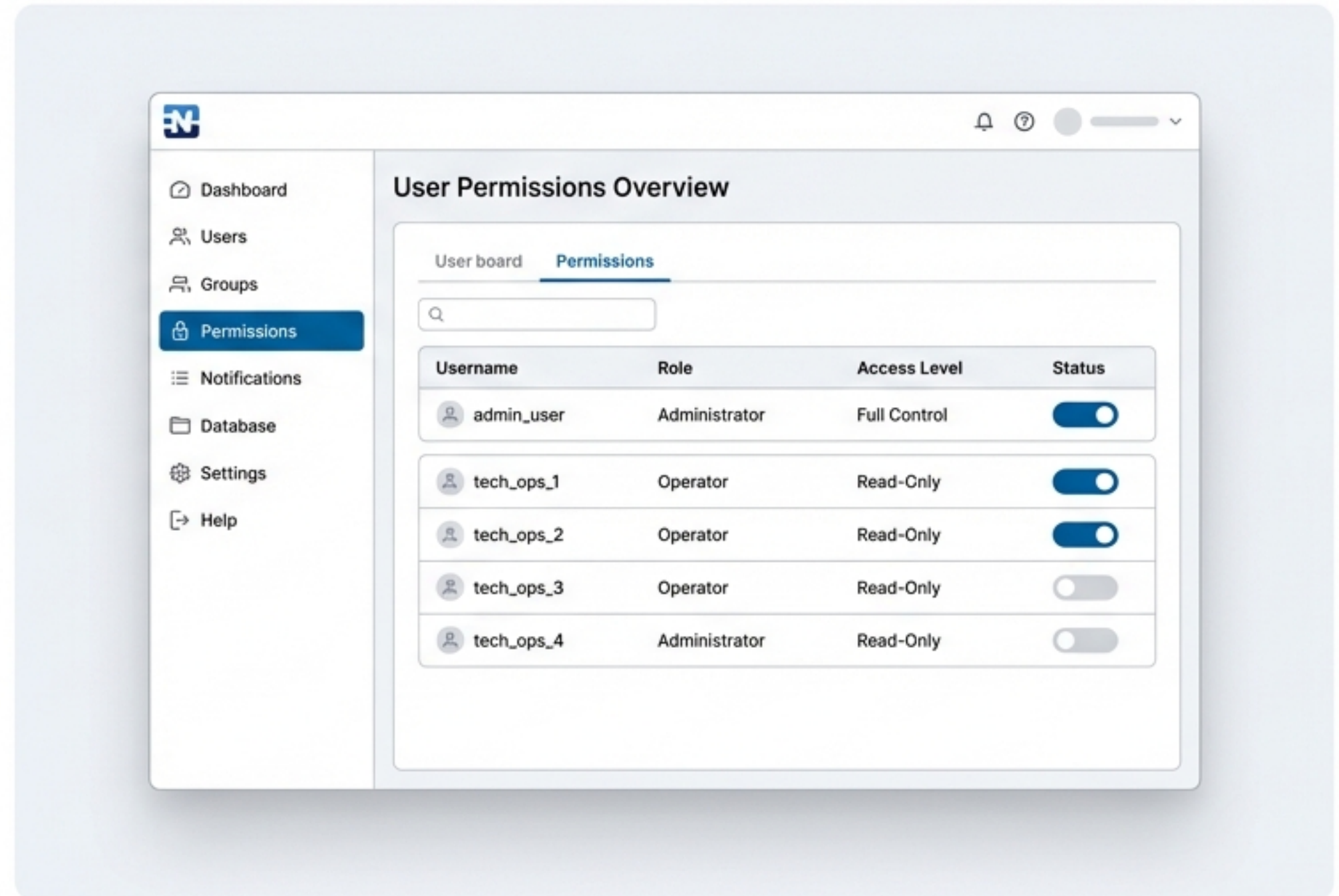
# Access & Authentication

## Authentication Methods

- Local User/Group privileges
- LDAP Support
- External RADIUS
- Key-based SSH access

## Control Mechanisms

- Traffic & Bandwidth Shaping
- Captive Portal Quotas
- Automatic Login Lockout



# Deployment Scenarios



## SMB Gateway

Multi-WAN load balancing & UTM duties.



## Enterprise Branch

High-throughput VPN endpoint connecting to HQ.



## MSP CPE

Reliable, remotely managed equipment.



## Home / Remote Office

Silent desktop unit for Gigabit Fibre.

# Total Cost of Ownership

No Artificial Limits.



**Unlimited Usage:** No caps on users, firewall rules, or IPsec tunnels.



**No Add-on Fees:** Full feature set enabled out of the box.



**Power Efficiency:** Low power draw (12V 5.0A) reduces operational costs.



**Longevity:** Designed for long deployment with active updates.

# Business Assurance



**TAC Lite Included.**  
24x7 Zero-to-Ping support  
from Netgate Global.



**1-Year Warranty.**  
Manufacturer hardware  
coverage.



**Active Community.**  
Extensive forum support  
& documentation.

# Inter Tight Technical Specifications

## Operating Temp

0°C (32°F) to 40°C (104°F)



## Power Input

100–240V, 50–60 Hz; Output: 12V 5.0A (Locking Barrel)



## Certifications

FCC (Class B), IEC / CE, CB, UL, RoHS, RCM, UKCA



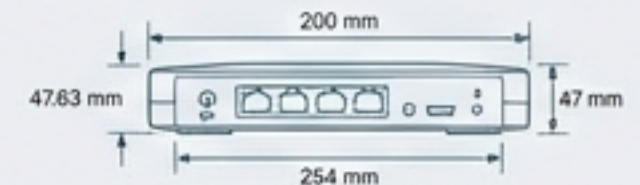
## Expansion

2x M.2 (Key-B) with Dual-SIM; 1x Mini-PCle (Wi-Fi)



## Dimensions

254 x 200 x 47.63 mm



# Inter Tight Ready to Deploy

## Inter Tight Performance

JetBrains Mono  
18+ Gbps Routing &  
Intel QAT.

## Inter Tight Silence

JetBrains Mono  
Passive cooling for any  
environment.

## Inter Tight Value

JetBrains Mono  
Enterprise security  
without licensing fees.

## Inter Tight Contact Sales or Netgate Global Support

JetBrains Mono  
[sales@netgate.com](mailto:sales@netgate.com) | [www.netgate.com](http://www.netgate.com)

