



The **Netgate 8200 MAX**  
**Security Gateway**

Double the Cores. Double the Memory. Uncompromised Power.

Powered by pfSense® Plus Software



## Peak Performance

The fastest Intel® Atom®-based firewall offered. Engineered for high-throughput routing, firewalling, and VPN tasks.



## Enterprise Ready

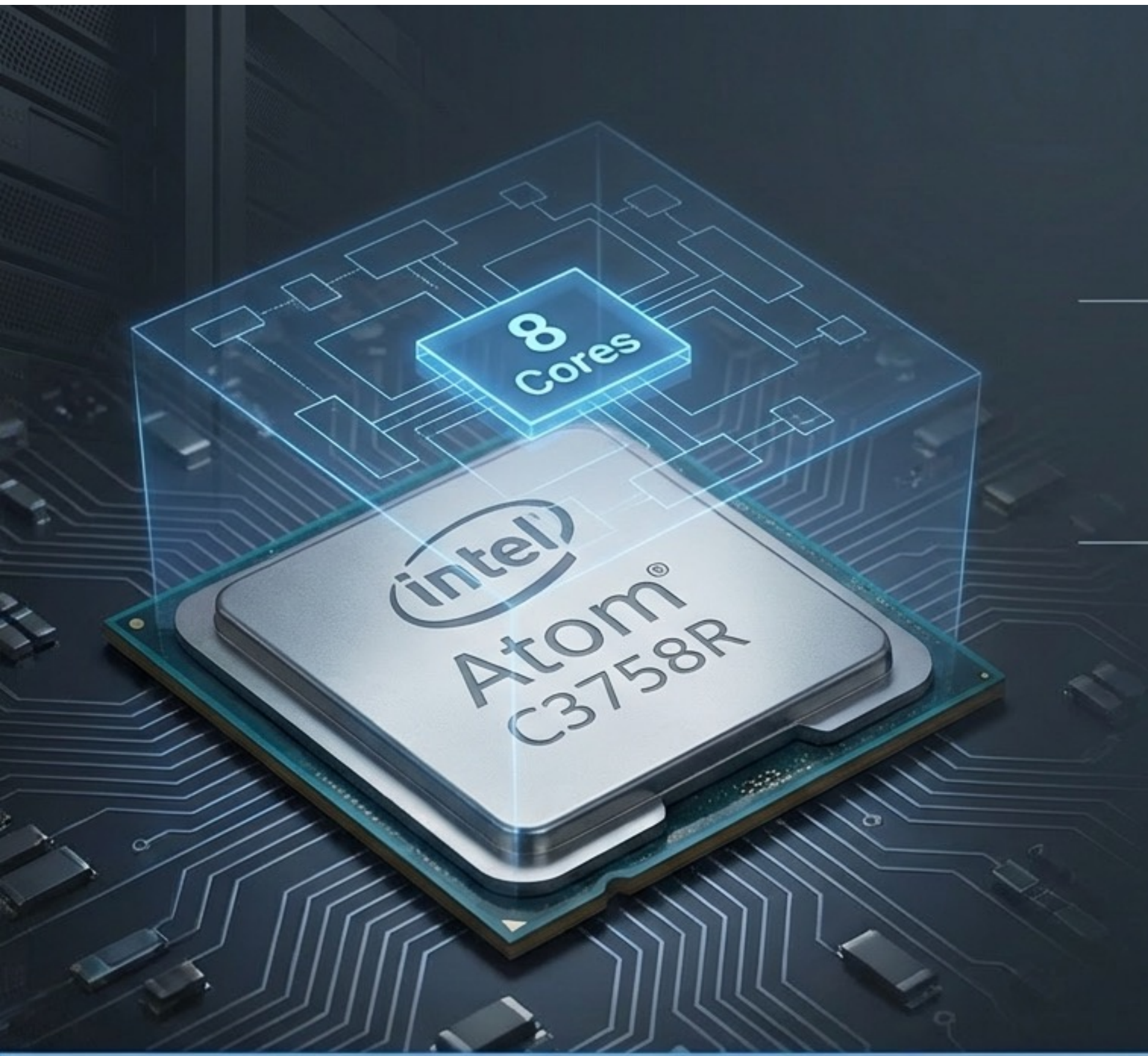
Ideal for Remote Offices, Edge Deployments, Managed Service Providers (MSPs), and Enterprise Networks.



## The Value Gap

Performance and business assurance at a fraction of the cost of proprietary alternatives.

Whisper-quiet 1U Rack Mount Configuration



## Silicon-Level Efficiency

# 8-Core

Intel Atom C3758R CPU @ 2.4 GHz

- Integrated QuickAssist Technology (QAT)
- AES-NI Instruction Set
  - Handles heavy encryption loads without choking the main CPU.
- Simultaneous high-throughput routing and VPN performance.

Whisper-quiet 1U Rack Mount Configuration

# Hard Data: Throughput Benchmarks

L3 Forwarding (IPERF3)



» 18.60 Gbps

Firewall (IPERF3)



» 18.55 Gbps

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

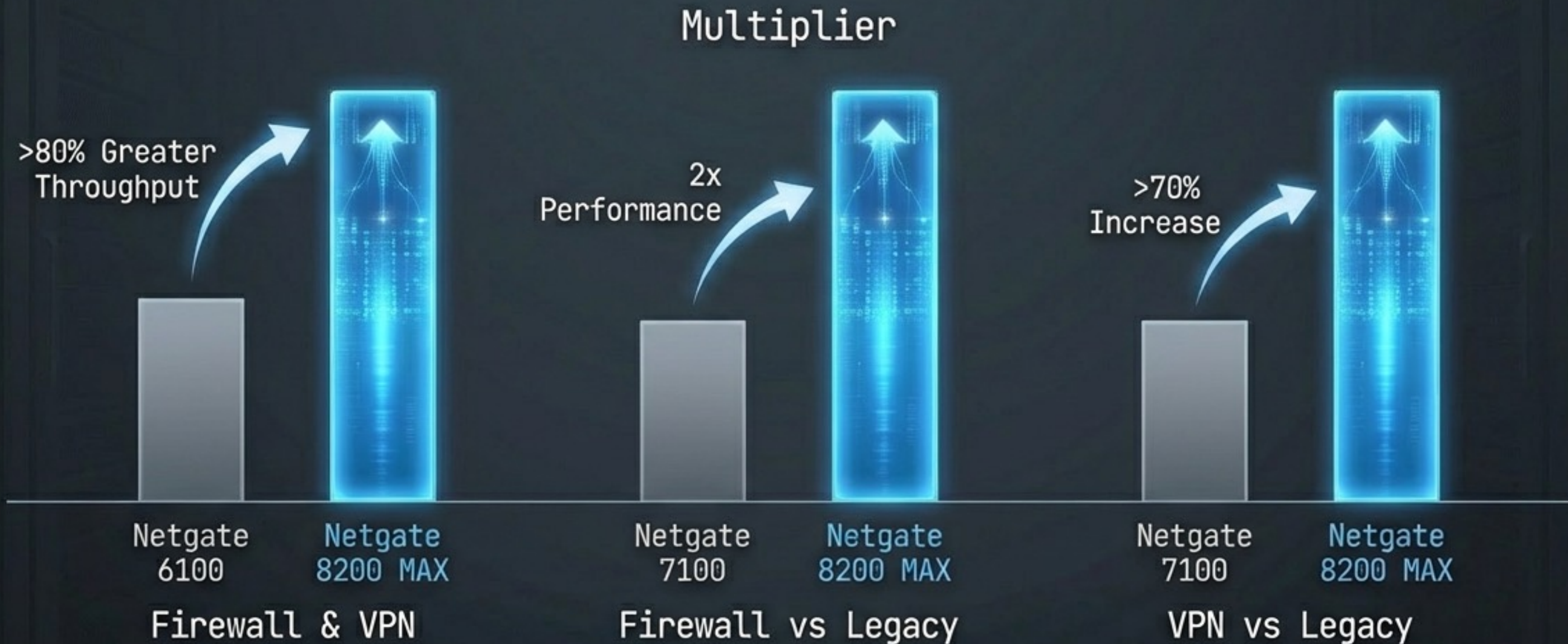


» 3.24 Gbps

\*Performance tests conducted with  
pfSense Plus software version 22.05

Whisper-quiet 1U Rack Mount Configuration

# A Generational Leap



Whisper-quiet 1U Rack Mount Configuration

# Netgate 8200 MAX Back Panel Ports

1. (2) 10 Gbps SFP+ WAN Ports  
(Primary Uplinks)

3. (2) 1 Gbps Combo WAN Ports  
(RJ45 Copper or SFP Fiber)

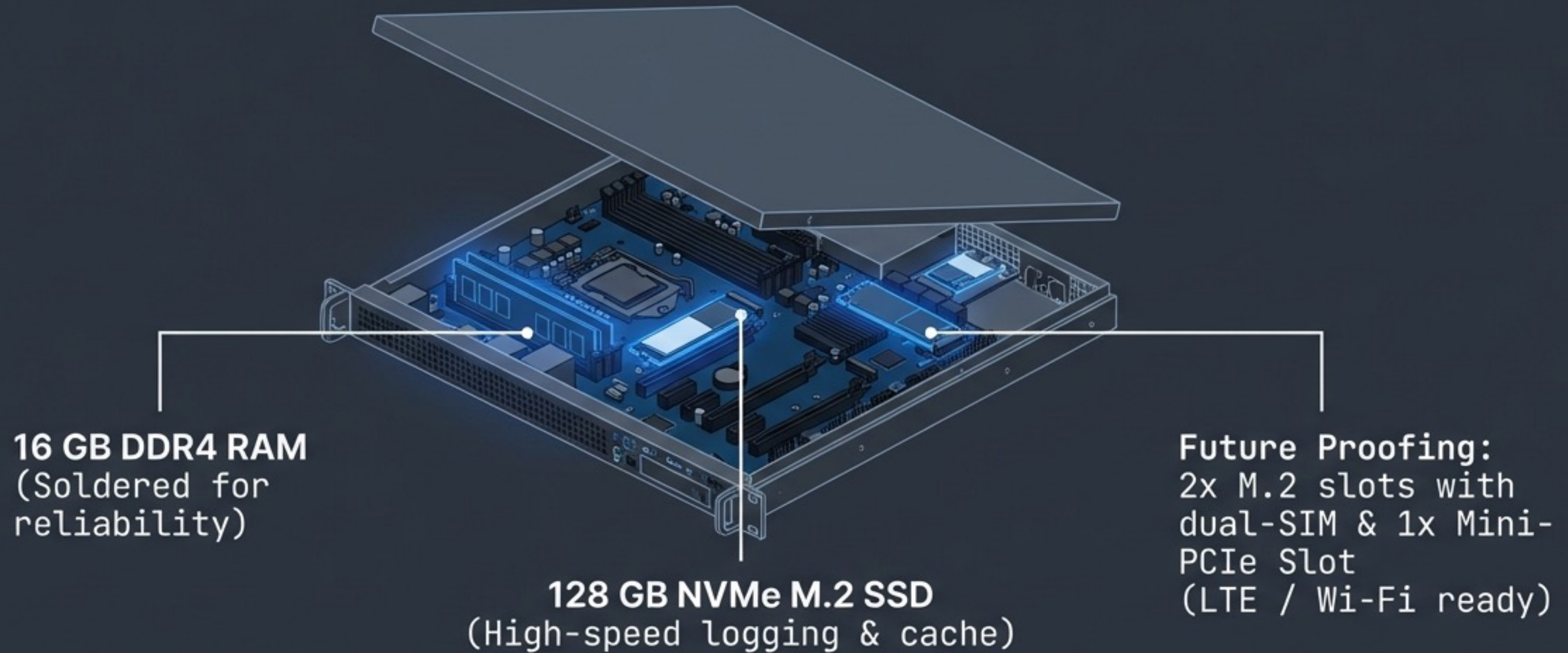


2. (4) 2.5 Gbps RJ-45 Intel i226 Ports  
(Direct / Unswitched LAN)

4. (2) USB 3.0 Ports & Console Port  
(Cisco pinout + micro-USB)

Whisper-quiet 1U Rack Mount Configuration

# Under the Hood



Whisper-quiet 1U Rack Mount Configuration

# The pfSense® Plus Advantage



## Simple Management

Web-based GUI. No command line interface required.



## Zero Artificial Limits

Unlimited users. Unlimited firewall rules. Unlimited IPsec tunnels. No extra licensing fees.



## Flexible Configuration

From simple Firewalling to complex Unified Threat Management.

# Pro Tip: Ready for TNSR

**pfSense Plus**  
(Standard Speed)



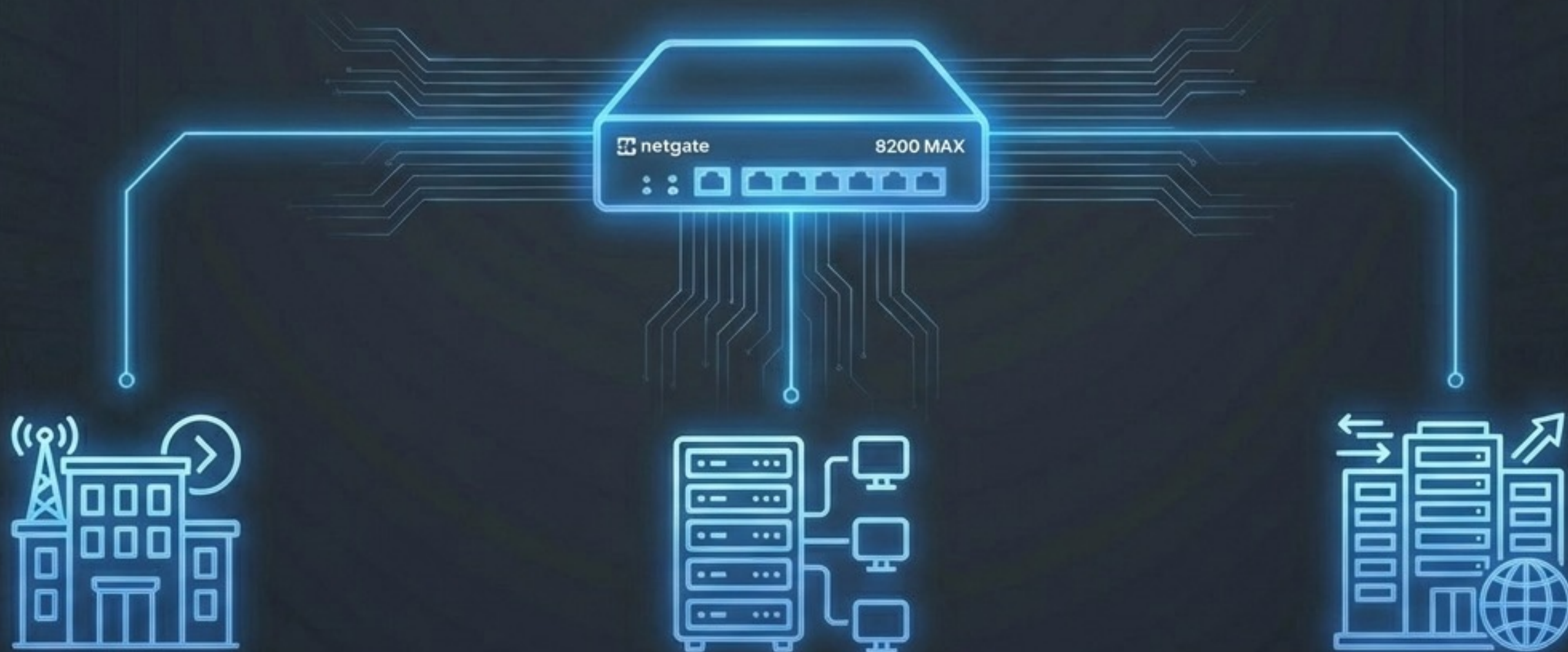
**TNSR**  
(High Speed/Rocket)



While the device ships with pfSense Plus, the Netgate 8200 hardware is capable of running TNSR software.

TNSR is a high-performance software router capable of producing performance increases far beyond the limits of pfSense Plus software.

# Deployment Scenarios



## The Edge Deployment

Connecting high-speed branch offices to HQ.

## The MSP Rack

Managing security for mid-sized clients.

## The Enterprise Network

Handling high-throughput routing and VPNs.

# The Silent Workhorse

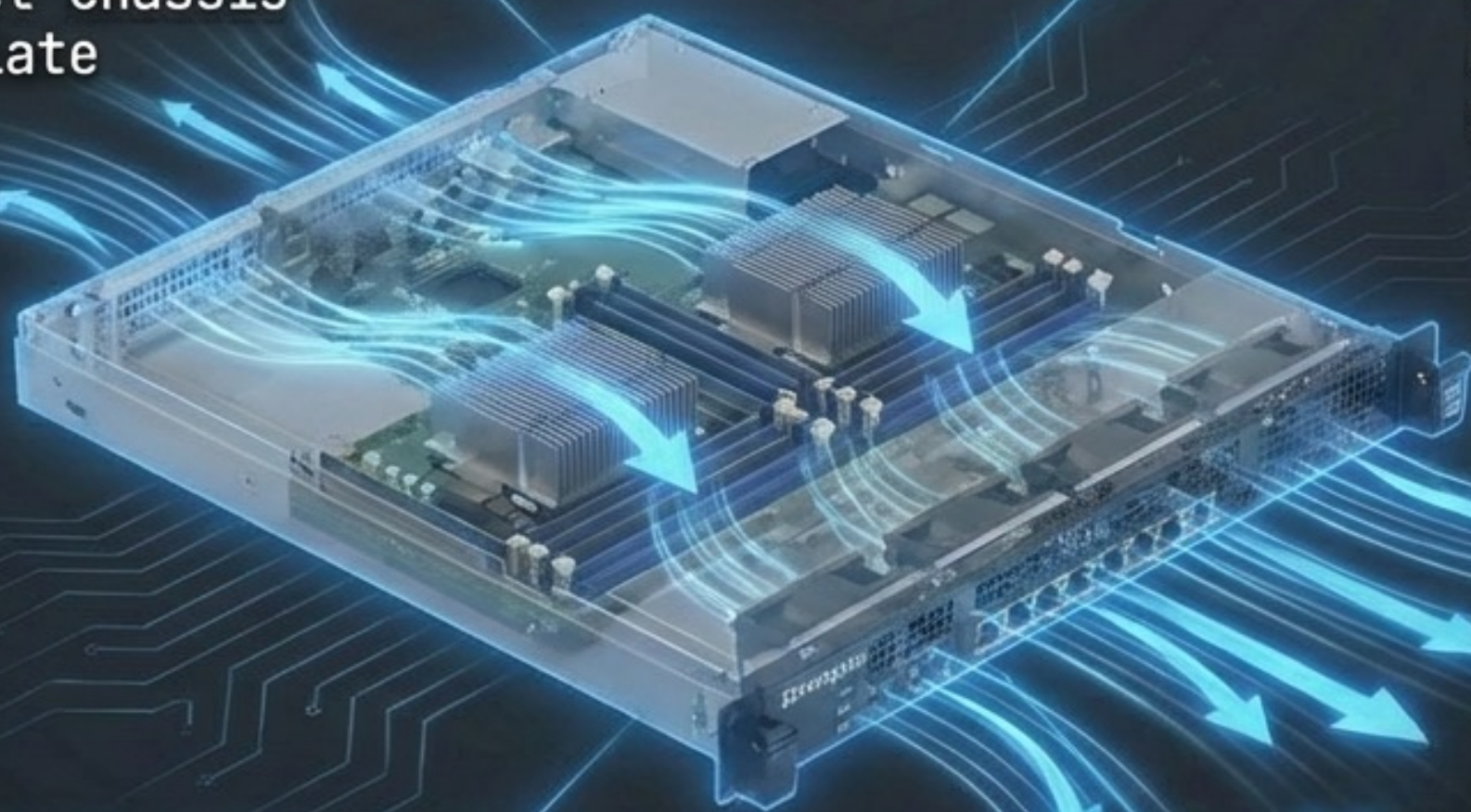


## Active Cooling:

Integrated quiet chassis fan with baseplate control.

## Form Factor:

1U Rackmount.  
Aluminium, plastic,  
and steel enclosure.



## Acoustics:

Uncharacteristically quiet  
for a powerful 1U system.



## Dimensions:

482.6 x 254 x 44.45 mm

# Power & Environment



## Power Input:

External ITE P/S AC/DC  
100-240V. Threaded locking  
barrel connector.



## Operating Temp:

0°C to 40°C.  
(Note: Heat sources below  
unit must be < 40°C).



## Regional Compatibility:

Ships with UK, US, EU, or  
ANZ power cords  
(IEC320-C7 plug).



## Efficiency:

Intel Atom processors  
designed for low power  
consumption.

# Comprehensive Assurance Included



**TAC Lite Support.**  
24x7 Zero-to-Ping  
assistance from Netgate  
Global Support.



**ACB Service.**  
Automatic Encrypted  
Configuration Backup.



**Warranty.**  
One-year manufacturer's  
hardware warranty.

JetBrains Mono

Includes access to continuously updated pfSense online documentation.

Inter

# Technical Specifications Summary

CPU	8-core Intel Atom C3758R
RAM	16 GB DDR4 (Soldered)
Storage	128 GB NVMe M.2 SSD
Networking	2x 10G SFP+, 2x 1G Combo, 4x 2.5G LAN
Certifications	FCC (Class B), IEC / CE, CB, UL, RoHS, RCM, UKCA
Cooling	Active fan with onboard control

Pro Tip: Record serial number from the bottom label before rack mounting.

# Secure Your Edge

Experience the performance of the Netgate 8200 MAX today.



Contact Sales: [sales@netgate.com](mailto:sales@netgate.com)  
Visit: [shop.netgate.com](http://shop.netgate.com)

Affordable Reliability. Simple Management. Enterprise Power.