

Netgate 4200

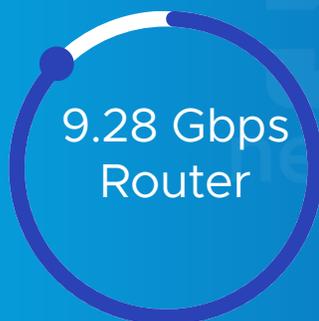
Security Gateway Appliance

The Netgate 4200® with pfSense® Plus software is the most versatile security gateway in its class. The 4200 utilizes the blazing fast performance of 4-core Intel® Atom® C1110 CPU to achieve benchmark results up to three times faster in routing, firewall forwarding and IPsec VPN than the previous generation of security gateways. The 4200 delivers over 9.2 Gbps of L3 routing across four independent 2.5 GbE flexible WAN/LAN ports.

The Netgate 4200 is ideal for pro-home, small/medium businesses, branch and edge deployments that require flexible port configurations to support 1 to 2.5 Gbps WAN capabilities across four discrete, unswitched 2.5 Gbps RJ-45 ethernet LAN ports - all in a silent desktop form factor.



HIGHEST PERFORMANCE IN ITS CLASS



Both IMIX and iPerf3 tests were used to measure throughput.

The Netgate 4200 security gateway with pfSense Plus software is the ideal solution for small and medium business with networks built on 1.0 or 2.5 Gigabit Ethernet. It has the advanced features of pfSense Plus and enough processing power to grow as your company's network needs grow.



4-Core Intel® Atom® C1110 @2.1 GHz (w/AVX2)

Delivers 9.28 Gbps routing for IMIX traffic and over 8.61 Gbps of firewall throughput using iPerf

4 Independent 1G, 2.5G Flexible WAN/LAN Configurable Ports

Use a combination of 4 ports for maximum flexibility with 1 and 2.5 WAN/LAN capabilities

Quiet operation and Low Power Draw

A compact form factor, low power draw, and silent operation allow it to run unnoticed when placed on a desktop, or wall

SPECIFICATIONS

CPU	Intel® Atom® C1110 with AVX2, 4-core @ 2.1 GHz. Delivers up to 3x on benchmarking results for routing, firewall and IPsec VPN versus the Netgate 4100.
Physical Network I/O Ports	Four 2.5G independent and configurable RJ45 LAN ports for maximum flexibility. Configure it for single or dual WAN, or high-availability failover.
Storage	16 GB eMMC Max Model: 128GB NVMe SSD
Memory	4 GB DDR5 RAM, DDR5 memory allows more stable, higher transfer rates for memory-intensive applications (e.g. IDS/IPS).
Console Port	Auto-detect console port: "Cisco pinout" RJ45 micro-USB (cable included)
USB Ports	1 USB 3.0 jack (USB-A female) located on right side rear when viewed from system front
LED	3x 4-color LEDs (RGB + amber) Software / bootloader controllable via GPIO
Enclosure	Desktop - Aluminum, plastic, and steel enclosure. 9.27 x 7.125 x 2.25 inches 240 x 180 x 60 mm
Cooling	Passive - integrated aluminum chassis and heatsink
Environmental	0°C (32°F) to 40°C (104°F) - ambient

PERFORMANCE ¹

iPerf Traffic ²

- L3 Forwarding: 8.75 Gbps
- Firewall: 8.61 Gbps
- IPsec VPN: 3.20 Gbps
(AES-GCM-128 w/AES-NI)

IMIX Traffic ³

- L3 Forwarding: 9.28 Gbps
- Firewall: 3.21 Gbps
- IPsec VPN: 1.05 Gbps
(AES-GCM-128 w/AES-NI)

1. Refer to <https://www.netgate.com/products/appliances/> for the latest performance benchmarks. All performance tests are based upon maximum memory configuration and base model port configuration (no port expansion). Throughput measurements are based upon maximum bidirectional traffic across all available ports

2. Basic Traffic (Primarily Data Download): iPerf3 traffic is TCP: 1460-byte payload and TCP framing.

3. Complex Traffic (Voice, Data, Video): Simple IMIX traffic is sets of 7 x 40-byte packets, 4 x 576-byte packets, 1 x 1500-byte packet, plus ethernet.

KEY HIGHLIGHTS

LOW TOTAL COST OF OWNERSHIP

- No additional software update cost for the life of the product.
- No artificial limits or add-ons required to make your system fully functional.
- No additional usage or feature-based pricing. Enjoy unlimited users, unlimited firewall rules, unlimited IPsec tunnels, dual WAN, etc.
- Low power requirements to help save you money.
- This system is designed for a long deployment lifetime.

GROWS WITH YOU

- From firewall to Unified Threat Management, get all the security features you need to protect your home or business.
- Flexible configuration and support for multi-WAN, high availability, VPN, load balancing, reporting and monitoring, etc.
- Add optional packages such as [Snort](#) or [Suricata](#) for IDS/IPS and network security monitoring.
- Maximum Active Connections: 4,000,000

EASY GUI MANAGEMENT

- Manage pfSense Plus software settings through our web-based GUI.
- No fumbling with a command-line interface or typing arcane commands.

SECURE REMOTE ACCESS

- Connect between your offices via encrypted Virtual Private Networks (VPN), let mobile workers connect securely, or connect to the Cloud!
- Use the built-in Amazon VPC Wizard to easily establish VPN connections with your Amazon EC2 cloud.

BEST FOR

- Prosumers
- Remote Workers
- Small to Medium-Sized Business Networks
- Small to Medium-Sized Branch Office
- Managed Service Provider / Managed Security Service Provider (MSP/MSSP) On-Premises Appliance
- Edge-to-Cloud
- Everyone looking for great performance with no fan noise
- Situations where a rack mount system is not an option
- Anyone with High-Speed Gigabit Connections
- Many VPN Connections

SOFTWARE FEATURES

VPN:

- Site-to-site and remote access VPNs
- IPsec, OpenVPN, WireGuard®
- Split tunneling
- IPsec policy-based and route-based protocol support
- OpenVPN Data Channel Offload (DCO)
- Intel IPsec Multi-Buffer (IIMB) where available

USER AUTHENTICATION & SYSTEM SECURITY:

- User and group-based privileges
- LDAP authentication
- Automatic lockout after repeated attempts
- Optional key-based SSH access
- Traffic and bandwidth shaping
- Captive portal with user data transfer quotas
- External RADIUS authentication [w/pkg]

CONFIGURATION:

- Setup wizard for initial configuration
- Encrypted automatic backup to Netgate server
- Easy configuration backup/restore
- Multi-language support

MONITORING & REPORTING:

- Customizable dashboard with widgets
- Local monitoring graphs
- Remote logging
- Network usage monitoring [w/pkg]
- Network diagnostics [w/pkg]

ROUTER:

- Policy-based routing
- Multiple IP addresses per interface
- Multiple WAN connections (with load balancing and failover)
- Complex NAT mapping (outbound and inbound)
- Concurrent IPv4 and IPv6 support
- Optional multi-node High Availability (HA) clustering
- Dynamic routing protocol support [w/pkg]

FIREWALL, ATTACK PREVENTION, AND CONTENT FILTERING:

- Extensive firewall rules
- Stateful filtering & packet inspection
- Per-interface configuration
- Ethernet (layer 2) rule-based packet filtering
- IP/DNS-based filtering and blacklisting [w/pkg]
- IDS/IPS with Snort-based packet analyzer [w/pkg]
- Layer 7 application detection and blocking [w/pkg]
- Reverse proxy [w/pkg]
- Geo/country blocking, IP block lists [w/pkg]

Learn more about the power of pfSense Plus software [here](#).

ADDITIONAL INFORMATION

- [Quick Start Guide and other Manuals](#)
- Ships with the latest version of pfSense Plus software
- Not PoE Compatible
- Ships with your choice of Australian, UK, EU or USA cords. Easily changed by purchasing compatible AC power cord with IEC320-C7 (2 PIN) plug ([visual example](#))
- Optional wall mount available soon
- Note: This system uses the case as a heatsink. Please be aware it may feel warm when in use

Your purchase includes many free services and free technical support, which will help you get started with pfSense Plus software:

- Complimentary software updates for the life of the product
- Complimentary 24x7 zero-to-ping support from Netgate Global Support
- Access to the continuously updated pfSense [online documentation](#)
- ACB: Automatic Encrypted Configuration Backup Service

SUPPORT INFORMATION

- Technical assistance is available from Netgate Global Support 24x7x365.
- [TAC Lite](#) is included with the purchase of your Netgate appliance.
- TAC Pro and TAC Enterprise SLA descriptions and pricing are available [here](#).
- Help is available on our community forum [here](#).

WARRANTY INFORMATION

- The one-year manufacturer's hardware warranty information is [here](#).
- Extended warranties for US customers are available from [Extend](#). More information on their offer and warranty policy can be viewed [here](#).
- [Standard 30-day return policy](#). Netgate does not sell seconds or returns. An open box fee may apply.
- All specifications subject to change without notice

Questions? We'd love to hear from you. Contact us at sales@netgate.com