




npFirewall

FIREWALL. VPN. ROUTER

- A remarkably powerful, robust, and easy to use solution that delivers edge firewall, router and VPN functionality to homes, businesses, educational institutions, and government agencies - literally across every continent - making networks more robust and secure.

		npFirewall 400	npFirewall 1000	npFirewall 1500
Best Used for		Small Office, Branch Office	Medium/Large Business	Medium/Large Business
Picture				
Spec	Router	2.20Gbps	18.8Gbps	18.8Gbps
	Firewall	964Mbps	18.6Gbps	18.6Gbps
	IPSec VPN	254Mbps	7.12Gbps	9.30Gbps
	CPU	Celeron 2.0GHz 4-Core	Intel Xeon 1.7GHz 8-Core	Intel Xeon 2.1GHz 8-Core
	Memory	4GB DDR4	8GB DDR4	16GB DDR4
	Storage	32GB mSATA SSD	500GB M.2 SSD	500GB M.2 SSD
	Management Ports	4 x 1GbE	2 x 1GbE, 2 x 10GbE	2 x 1GbE, 2 x 10Gb SFP+
	Power	36W	Single 290W	Dual 500W
	Chassis	150x123x33mm	1U 19" Rack Mount	1U 19" Rack Mount

Software Features:

npFirewall 's software competes effectively with far more expensive, commercial alternatives and is used by hundreds of thousands of businesses, educational institutions, and government agencies all over the world. Leading secure-networking features and capabilities include:

- CARP / HA
- DNS Server
- DHCP Server
- IDS/IPS
- Packet capture / inspection
- Port forwarding
- QOS / rate limiters
- Software load balancer (HA Proxy)
- Traffic monitoring
- Traffic logging, statistics, and graphs
- Traffic shaping
- VLAN
- Wake-on-LAN

Contact Us

Your questions and comments are important to us. You can reach us by phone or email.

Professional Services

For professional services inquires and quotes, send us an email at sales@npcore.com and we will reply as soon as possible.

Sales

For sales inquires or for general information, send us an email at sales@npcore.com and we will reply as soon as possible.

Support

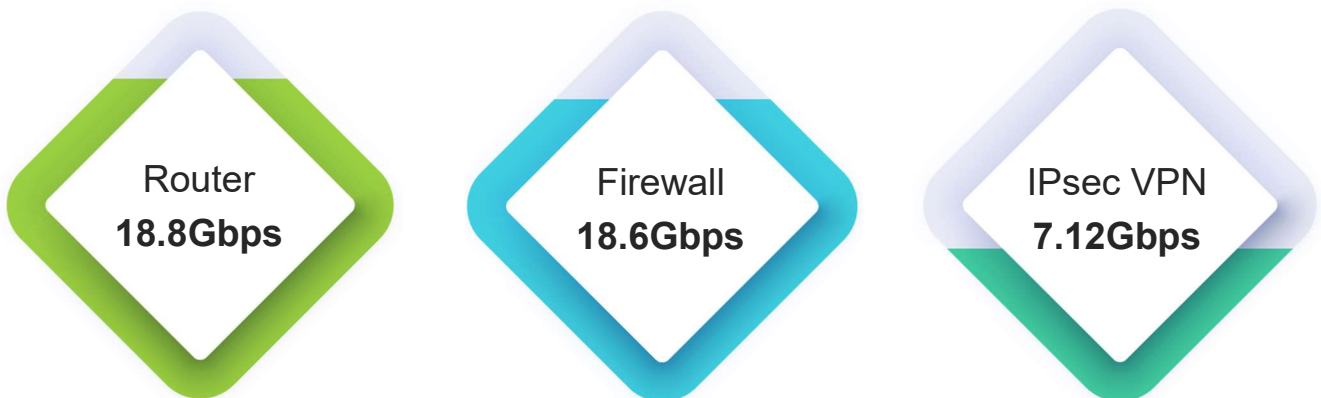
For support inquires and quotes, contact us at +82-2-1544-5317 anytime, 24x7x365.

npFirewall 1000 FIREWALL. VPN. ROUTER.



The npFirewall is ideal for the medium to large business data centers or server rooms. It features a 1.7 GHz, 8-core, 16-thread Intel® Xeon® D-1537 processor with AES-NI, dual 10 Gbps SFP+ ports and dual 1 Gbps RJ-45 ports. The CPIC-8955 Cryptographic Accelerator Card with QAT (QuickAssist Technology) can be added to offload encryption processing for improved VPN throughput performance. Other expansion options include a 2- or 4-Port Intel 10 GbE card for additional SFP+ ports or a 4-Port Intel 1 GbE card for additional RJ45 ports. RAID configurations and high availability options make the npFirewall 1000 an excellent choice for high-performance throughput and/or mission-critical deployment needs.

PERFORMANCE



Featuring an Eight Core Intel Xeon® 1.7 GHz, upgradable memory up to 8 GB, and expandable network interfaces (up to 8 ports) the npFirewall achieves up to 18.8 Gbps routing performance.

L3 Forwarding

- IPERF3 Traffic: 18.80 Gbps
- IMIX Traffic: 15.22 Gbps

Firewall

(10k ACLs)

- IPERF3 Traffic: 18.62 Gbps
- IMIX Traffic: 10.24 Gbps

IPsec VPN

(AES-GCM-128w / QAT)

- IPERF3 Traffic: 7.12 Gbps
- IMIX Traffic: 1.65 Gbps



Business Network Topology

DEPLOYMENT:

npFirewall is most often deployed at the classic “network edge”. Each point where a private / local area network (LAN) - home, remote office, headquarters, data center connects to a public Internet or a wide area network (WAN) is an ideal spot to deploy npFirewall to address firewall, router, and VPN needs.

npFirewall carefully designed and packaged for desktop or rackmount deployment. Lower network throughput / processing products are designed for desktop or other visually exposed locations - where aesthetics, heat dissipation, and noise level are important. Mid-level throughput / processing products can be purchased for either desktop or rackmount formats. High throughput / processing products are built for rackmount deployment placement in closets, data centers, or co-location facilities.

KEY FEATURES:

LOW TOTAL COST OF OWNERSHIP

- 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.
- Standard configuration with 8GB of RAM and 500GB SSD.
- 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.
- Maximum Active Connections: 8,000,000 (16,000,000 with 16 GB RAM)

EASY GUI MANAGEMENT

- No fumbling with a command line interface or typing arcane commands.

SECURE REMOTE ACCESS

- Connect via encrypted Virtual Private Networks (VPN) between your offices, let mobile workers connect securely, or connect to the Cloud!

BEST FOR:

- Medium to Large Sized Networks with 1U rack mount cabinets
- Medium to Large Sized Branch Office with heavy loads
- Managed Service Providers (MSP) / Managed Security Service Provider (MSSP) On Premises Appliance
- Enterprise
- Anyone with High-Speed 10 Gigabit and/or 1 Gigabit Connections
- Anyone with many VPN Connections
- Anyone with high speed connections who wish to configure IDS/IPS features

SOFTWARE FEATURES:

npFirewall is a powerful firewall, router and VPN solution that leverages a number of highly-regarded open-source projects. The software competes effectively with far more expensive, commercial alternatives and is used by hundreds of thousands of businesses, educational institutions, and government agencies all over the world. Leading secure-networking features and capabilities include:

- Captive Portal
- CARP / HA
- DNS Server
- DHCP Server
- IDS/IPS
- Packet capture / inspection
- Port forwarding
- QOS / rate limiters
- Software load balancer (HA Proxy)
- Traffic monitoring
- Traffic logging, statistics, and graphs
- Traffic shaping
- VLAN
- Wake-on-LAN

HARDWARE SPECIFICATIONS:

CPU	Intel Xeon 1.7GHz 8-Core
Storage	500GB M.2 SSD
Memory	8GB DDR4
Management Ports	2 x 1GbE, 2 x 10GbE
Console Port	MiniUSB
USB Ports	2x 2.0 port
Chassis	1U 19" Rack Mount
Power	Single 290W

COMPARISON WITH COMPETITOR:

Feature	npFirewall	S company XG
Operating system	Free BSD	Linux
Alternative uses	Routing software	None
Intrusion detection	Yes	Yes
Additional features	Wide scope	Limited

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