Netgate 6100 Security BASE

Tuote

Tuotekoodi: NETGATE 6100 BASE

5E

Tekniset tiedot

The Netgate 6100 is an ideal edge gateway solution for any organization in need of versatile network connectivity with 1 to 10 Gbps flexible WAN/LAN connections and 8 GB of DDR4 memory to deliver exceptional throughput performance.

L3 Forwarding

IPERF3 Traffic: 18.76 Gbps (1.61 Mpps)
 IMIX Traffic: 6.62 Gbps (2.27 Mpps)

Firewall

(10k ACLs)

IPERF3 Traffic: 10.07 Gbps (862 kpps)
 IMIX Traffic: 2.67 Gbps (941 kpps)

IPsec VPN

(AES-GCM-128 w/QAT)

IPERF3 Traffic: 2.07 Gbps (186 kpps)
 IMIX Traffic: 545 Mbps (187 kpps)

Netgate 6100 performance tests conducted with pfSense plus software version 21.05 RC

The Netgate 6100 will also be compatible with TNSR software. TNSR is a high-performance software router capable of producing considerable performance increases far beyond the limits of pfSense Plus software.
Netgate-6100-Specifications

CPU: Quad-Core 2.2 GHz Intel Atom CPU, with integrated AES-NI and QAT (QuickAssist Technology) significantly improves encrypted throughput and increases RAM performance by up to 50%.

Network Ports: (2) 10 GbE SFP+ Ports, (2) 1 GbE Combo Ports (RJ45/SFP), and (4) discrete, unswitched 2.5 Gbps Ports allow for versatile WAN connectivity.

Storage: 16 GB eMMC (or optional 128 GB NVMe M.2 SSD)

Memory: 8 GB DDR4 RAM, DDR4 memory allows more stable, higher transfer rates for memory-intensive applications (e.g. IDS/IPS).

Cooling: The passive cooling system and low power draw of the Netgate 6100 provides efficient thermal management and silent operation expected from smaller devices despite its significantly higher performance.