

**SET YOUR NETWORK FREE**

The Ultimate Packet Processing Solution



# DATA SHEET

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Traditional performance, service, and management flexibility barriers  
— shattered with Netgate TNSR.

Secure networking applications from 1 Gbps to 100+ Gbps - at a  
fraction of the price of proprietary alternatives.

## TNSR Freedoms

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### **FREEDOM TO SCALE PERFORMANCE**

1 Gbps, 10 Gbps, 25 Gbps, 40 Gbps, 100 Gbps, or more. Small packets. Large packets. Fully encrypted traffic. Tens, hundreds or thousands of sessions.

### **FREEDOM TO DEPLOY AS YOU EVOLVE**

Every modern organization is in some state of transition to virtualization and/or cloud migration. Whether your secure networking requirements are premises, cloud, hybrid, or native cloud, TNSR can be deployed as you need.

### **FREEDOM TO SCALE MANAGEMENT**

Managing networking and security functions is complex. Each organization has a preferred approach that best meets their needs. CLI or API-based orchestration across tens, hundreds, or thousands of instances - controlled from within your existing or planned management infrastructure.

### **FREEDOM TO ADAPT SERVICES**

From routing to network firewalls, to advanced packet monitoring, inspection, and policy enforcement - get the freedom to easily insert new secure networking functions - without expensive software upgrades or complex licensing schemas. No limits.



## TNSR Enterprise

Terabit speeds with no limits. Designed for enterprise and service provider networking, TNSR Enterprise is the right choice for applications where throughput requirements are paramount. Large-scale networks will see additional benefits from TNSR Enterprise features like carrier-grade NAT.

## TNSR Business

Exceptional bandwidth, features and price. Full-featured business performance – up to 10Gbps – for datacenter, edge, and cloud onramp applications.

	TNSR Business	TNSR Enterprise
<b>High-Speed Data Plane</b> Based on DPDK and VPP	Up to 10 Gbps NICs	Instances with greater than 10 Gbps NICs
<b>Routing</b> Static Routing, BGP, IPv4/IPv6 dual stack, ECMP, Static ARP, BFD, VRF-Lite	✓	✓
<b>Firewall</b> L2 MAC/IP ACLs, L3 ACLs, L4 ACLs	✓	✓
<b>VPN</b> Routed IPSec site-to-site	✓	✓
<b>Operating System</b> CentOS Linux	✓	✓
<b>Link Management</b> LLDP, LACP	✓	✓
<b>Interfaces and Tunneling</b> 802.1q VLAN, Bridging, GRE, SPAN/ERSPAN, memif	✓	✓
<b>NAT</b> Port Forwards, 1:1 NAT, Outbound NAT, NPT, NAT44	✓	✓
<b>Carrier Grade NAT</b> MAP-T/MAP-E, DS-Lite		✓
<b>Access Control</b> RBAC, NETCONF Access Control Model (NACM)	✓	✓
<b>Encryption</b> IPSec, Pre-shared Key, MAC algorithms: MD5, SHA-1, SHA-256, SHA-384, SHA-512, 3DES, AES-128-CBC, AES-192-CBC, AES-256-CBC, AES-ICV16-GCM-128, AES-ICV16-GCM-192, AES-ICV16-GCM-256, DH Groups 1-24, ike-v1, ike-v2	✓	✓
<b>Integrated Services</b>		
<b>DHCP Server</b>	✓	✓
<b>DNS Resolver</b>	✓	✓
<b>NTP Server</b>	✓	✓
<b>System Management</b> (based on Yang data model)		
<b>CLI</b>	✓	✓
<b>RESTCONF API</b>	✓	✓
<b>SNMP</b>	✓	✓
<b>Availability</b>		
<b>Installer for bare metal or VM</b>	✓	✓
<b>Netgate SG-5100</b>	✓	
<b>Netgate XG-1537</b>	✓	
<b>Netgate XG-1541</b>	✓	
<b>Amazon Web Services</b>	✓	✓
<b>Microsoft Azure</b>	✓	✓