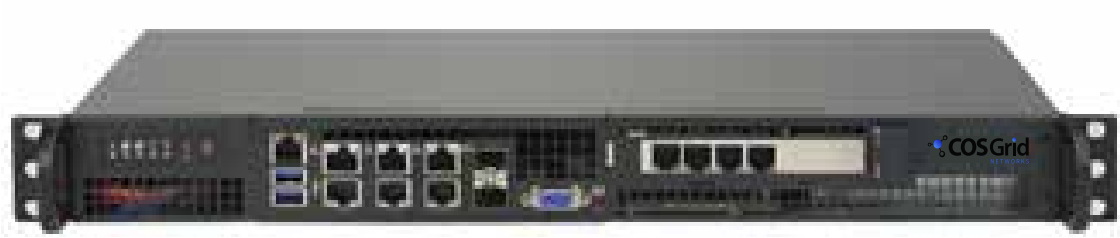
COSGrid's Next Generation firewall is a Network Security appliance that process network traffic and capable of detecting and blocking sophisticated attacks by enforcing security policies. COSGrid Next Generation Firewall augments the traditional firewall along with enhanced features and network routing . COSGrid Next Generation Firewall is designed to allow business / organizations that range in scale from mid-sized networks to distributed enterprises and data centers with advanced threat prevention in a high- performance security platform. Also it can offer them a cost effective option to improve basic Network security through the use of application awareness, inspection services, protection systems and awareness tools.



COSGrid's NG Firewall-NFRxG

COSGrid's NG Firewall-NFRxG

COSGrid's NG Firewall -NFRxG Hardware Matrix

Processor & Type	**Intel Atom processor C3758 based or Dual Intel Xeon E5-2667V4**
Memory / RAM	**16GB Or 32GB RAM**
LAN ports	**6 GbE LAN ports w/ Intel i350-AM4**
SFP	**1G SFP 4 Port * 1 | 10G SFP Dual Port * 1**
Type of Storage Disk	**SSD**
Storage Capacity (GB)	**250GB**
Management port	**10/100 Mbps RJ 45**
Firewall throughput	**1Gbps**
Threat Protection	**500 Mbps**

COSGrid's NG Firewall -NFRxG Specifications

Network & Routing Network services	IPv4, IPv6, SNMP, NTP, DNS Client, DHCP (Client, Server & Relay), NAT/PAT, PPPoE
Routing	Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing
Load Balancing & ECMP	Balance the Network traffic over multiple WAN connections
Network protocols.	Supports all required Protocols: TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS,ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, SMPP, SMNP, MQTT, Wake On Lan (WOL)
Ethernet & VLAN Support	802.1Q, 802.1ad, QinQ (0x8100), QinQ (0x9100), Native | Layer2 switching support
QoS	Classification, Marking, Rate-Limiting, Scheduling, Queuing, Shaping, SQM
IP Allocation	Supports static and dynamic IP allocation
VPN IPSec	SSL and IPSec VPN support | Web-Portal and full VPN client application
VPN	High performance VPN concentrator solution | Site-to-Site, Route/Policy based VPN, IKEv2, DPD, PFS Confidentiality algorithms: Pre-shared and PKI Authentication with RSA certificates, hashing, Diffie Hellman key exchange, Hub and Spoke, OpenVPN , Wireguard
Security Stateful Firewall	Zone-based L4 Firewall, MAC Binding, Rules, Policies, DDoS (TCP/UDP/ICMP Flood), Syn cookies, Firewall Logging
Web Filtering	Blacklist for blocking out unwanted websites, Whitelist for specifying allowed sites only | Control access to websites and website categories (e.g. business, news, sports, social media)
Application Visibility and Control (AVC)	Identifies more than 500+ applications and protocols, Application group support, Application filter support, Application visibility and log support | Application Control : Control and monitor cloud application usage (e.g. Dropbox, Box, Google Apps) Full network visibility of HTTP and HTTPS traffic | Control access to specific applications (e.g. Web Games, Video Streaming) | Block access to malicious content or websites | Detailed reporting and network visibility
Attack Prevention	Detect and block network borne attacks Protect mail, web and remote-access servers from attacks (IIS, Exchange, Citrix) Protect staff and internal systems from application level attacks (e.g. Office, Adobe Acrobat) Common web platform protection (e.g. .NET, PHP, WordPress, CRM)
Zero Trust Access	Granular and Secure Remote Access through deep verification with multi-layered policy enforcement, Enhanced Identity, Automated tunnels, Mesh and Direct connectivity with lower latency | Block or control access to Cloud services | Optional: Granular network access policies
Integration	Integrate into Active Directory, applying policies to specific users or user groups. | Detailed web access reports (by user, group, website) | Optional: RADIUS/Active-Directory integration
Authentication	Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts block| Two-factor authentication (Secure Token) and single sign-on with leading Identity Providers such as Okta, Azure AD etc
Firewall Policies - License	Yes
Details of the Firewall Policies for the Firewall provided with the License	Web Security Essentials / URL Filtering,IPS License,Application Visibility License,APT (Advance PersistantThreat) License (Anti Malware Protection , C& C attacks, Geo IP Protection, Zero Day Threat Protection), Gateway Anti virus,Gateway Anti spam
Signature supported	Customizable rule-set and signatures
Security Intelligence	IP,URL, IOC Intelligence | Full SSL Inspection support | Transparent solution (or explicit proxy support) Optional: IntrusionPrevention System | Optional: Deep-inspection of traffic for granular reporting Intelligent Networking

COSGrid's NG Firewall -NFRxG Benefits

Hugely Improved Application Performance	Advanced Web Filtering	Integrated & Optimized Security	Zero Touch Provisioning
Link Aggregation & Load Balancing	Application Visibility & Control	N/w Policy Orchestration & Automation	Extensible And Easy Integration With Open Apis
Durable and robust style Hardwares	Security Intelligence with IPS	Lowers the overall security Costs	Zero Day / Advanced Malware Protection

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An OEM Network Security Product Company with a focus lies in Secure and reliable Connectivity (4G/ 5G SD-WAN, NG Router Firewall, SASE) along with a Holistic security approach (Advanced Threat Protection, Cloud Security, Zero Trust) and Network Visibility (User Experience Management (UEM) / Digital Experience Management (DEM).