

SANGFOR NGAF M6000-F-I

Sangfor Next Generation Application Firewall is the world first fully integrated NGFW + NGWAF with pre-event, during-event and post-event defense for all business assets.

A truly integrated firewall solution, providing holistic overview of the entire organization security network, with ease of management for administration, operation and maintenance.

NGAF M6000-F-I is the ideal Converged Security solution for large enterprise and data center deployment.



Visionary in 2022 Gartner® Magic Quadrant™ for Network Firewalls

All Pictures shown are for illustration purpose only. Actual Product may vary.

Performance & Capacity	NGAF M6000-F-I
Dimension	2U
Firewall Throughput	140Gbps
NGFW Throughput ¹	84Gbps
WAF Throughput	84Gbps
IPS & WAF Throughput	56Gbps
Threat Protection Throughput ²	67.2Gbps
IPSec VPN Throughput	10Gbps
Max IPSec VPN Tunnels	20,000
Concurrent Connections (TCP)	25,000,000
New Connections (TCP)	600,000
Power Redundancy	Supported

Compliance	NGAF M6000-F-I
Certifications	CE, FCC

Hardware Specifications	NGAF M6000-F-I
RAM	32GB
Storage HD Capacity ³	128GB SSD + 960G SSD
Power [Watt] Max	760W
Operating Temperature	0 - 45°C
Humidity	5% - 90%, non-condensing
System Weight	20.00 Kg
System Dimensions (L * W * H, mm)	600 x 440 x 90

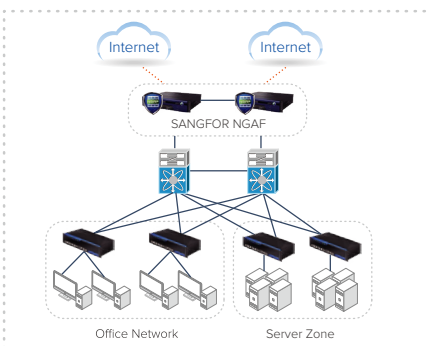
Network Interfaces	NGAF M6000-F-I
Bypass (Copper)	2 pairs
10/100/1000 Base-T	4
SFP	4
10G Fiber SFP	8
Network Modules Slot	4
Optional Interface	Per network module can add one of the NICs below: <ul style="list-style-type: none"> • 4x GE RJ45 • 4x GE SFP • 2x 10GE SFP+ • 4x 10GE SFP+ • 2x 40GE QSFP+
Serial Port	1 x RJ45
USB Port	2

¹ NGFW is measured with Firewall, Bandwidth Management, IPS, Application Control

² Threat Prevention is measured with Firewall, Bandwidth Management IPS, Application Control, Anti Virus

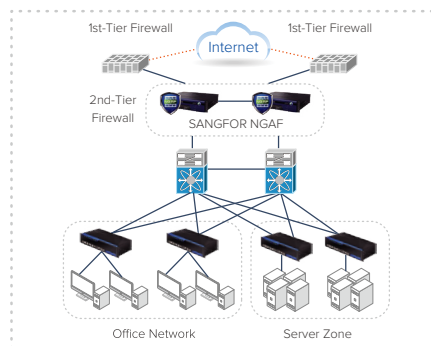


Deployment Modes



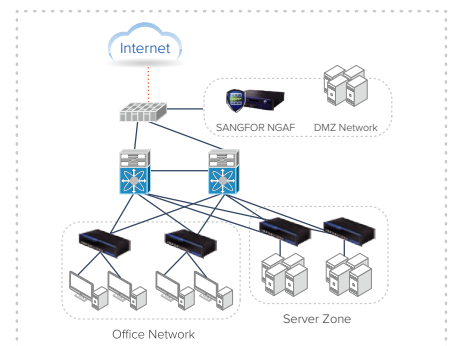
End-to-End Protection

- End-to-end protection from endpoint to business system
- Total visibility of the entire organization security status
- Provides High Availability features with Multi-line HA and Load Balancing
- Proactive early detection and prevention at the gateway to prevent attacks from reaching the network



Double Security (2nd-Tier Firewall)

- Double protection which complement existing firewall security policies to ensure full protection
- Providing regulatory compliance
- Simplified deployment, reducing downtime
- Provides flexibility of security design and security policies for different business requirements



DMZ Protection

- Dedicated business system protection for advance protection, without impacting other networks
- Providing regulatory compliance
- Simplified deployment, reducing downtime
- Minimize operation and maintenance works to monitor and troubleshoot security incidents

Key Features

Software Features

1 Lower TCO Converged Security Solutions

Fully converged security solution from endpoint to business systems, without the needs of manual integration & consolidation of each feature, as well as additional hardware, which results in lower operational and maintenance costs.

2 Comprehensive Business Systems Protection

Comprehensive business systems protection with built-in Web Application Firewall and Vulnerability Scanners, which is critical for internal systems as well as "internet-facing" systems. Business systems protection is easily enabled via advanced license, without any integration or additional appliance required.

3 User Friendly

A single simplified operation & maintenance with interactive GUI, which provides ease of configuration, maintenance, troubleshooting and reporting for IT managers, administrators and operations team.



Networking

Interface: Physical Interface, Sub Interface, VLAN Interface, Aggregated Interface

Routing: Static, Policy-based, RIP, OSPF, BGP

Network Functions: ARP, DNS, DHCP, SNMP, NAT, High Availability



Access Control

User: Import / export from external server

Authentication: SSO/LDAP/RADIUS

Application: ACL and application rules

URL Filter: Supported



VPN

SANGFOR VPN, IPSEC VPN and SSL VPN supported

SDWAN auto path selection



Management

SNMP v1, v2c, v3

Syslog

Real-Time Vulnerability Scanner

Central management

Security Features

1 Converged Security

Integrated L2-L7 Security features:

- DoS/DDoS: Inbound, Outbound, Attack Protection
- Content Security
- IPS
- Anti-virus
- Engine Zero: AI based anti-malware, anti-virus
- APT
- WAF
- Bandwidth Management
- Real-Time Vulnerability Scanner
- Security Reporter
- Neural-X: Cloud threat intelligence and analytics

2 Comprehensive WAF

- Web Application Firewall (WAF)
- Semantic Engine
- Support OWASP Top 10 WAF requirements
- Recommended by NSS

NGAF M6000-F-I Ordering Guide

* All bundles are offered in 1, 2, 3 or 5 year increments

Sangfor NGAF Bundle Subscription

SKU	Description
ESS-60-1/2/3/5Y	M6000-F-I, Essential Bundle (SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management, URL Filtering, Application Control, IPS, Botnet Prevention, Email Security, SoC Lite, Basic Security Reporter).
PM-60-1/2/3/5Y	M6000-F-I, Premium Bundle (SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management, URL Filtering, Application Control, IPS, Botnet Prevention, Email Security, SoC Lite, Basic Security Reporter, Engine Zero, Neural-X).
ULT-60-1/2/3/5Y	M6000-F-I, Ultimate Bundle including Premium Bundle (SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management, URL Filtering, Application Control, IPS, Botnet Prevention, Email Security, SoC Lite, Basic Security Reporter, Engine Zero, Neural-X) & Basic device management & Complimentary 30 units of Endpoint Secure Protect Agents with one Endpoint Secure manager.

"A La Carte" Subscription License

SKU	Description
FNX60-1/2/3/5Y	M6000-F-I, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Added Cloud Service
FEZ60-1/2/3/5Y	M6000-F-I, Engine Zero License, AI powered Malware Detection, Anti-malware, Anti-virus
WAF60-1/2/3/5Y	M6000-F-I, Web Application Firewall Module, Application Hiding, HTTP Anomalies Detection, Data Leak Protection, Web Scanner, Vulnerability Scanner, Advanced Security Reporter.

Sangfor Support Services

SKU	Description
STS60-1/2/3/5Y	M6000-F-I, NGAF Software Upgrade, 24*7 Technical Support Services
HRTF60-1/2/3/5Y	M6000-F-I, NGAF, Return to Factory (5 Business days ship after receipt)
HSDS-60-1/2/3/5Y	M6000-F-I, NGAF, SDS Hardware Service
HNBD-60-1/2/3/5Y	M6000-F-I, NGAF, NBD Hardware Service
H244G-60-1/2/3/5Y	M6000-F-I, 24x7x4 Delivery Hardware Service

For more information on Sangfor' full range of support & services, please contact your local representative.

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