SANGFOR NGAF

M4500-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 M4500 is the ideal Converged Security solution for Small Enterprises. It is also ideal for Branch Deployment.

Gartner

ICSA labs CERTIFIED FIREWALL - CORPORATE

Sangfor Technologies AAA Enterprise Firewall February 2021 Cyber Ratings.org

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

Performance & Capacity	M4500-F-I
Generation #[1]	2
Dimension	Desktop
Firewall Throughput[2,3]	2Gbps
NGFW Throughput[2,4]	1.4Gbps
WAF Throughput[2]	1.4Gbps
IPS & WAF Throughput[2]	1.2Gbps
Threat Protection Throughput[2,5]	1Gbps
IPSec VPN Throughput[2]	250Mbps
Max IPSec VPN Tunnels	300
Concurrent Connections (TCP)	250,000
New Connections (TCP)	10,000
Dual Power Supply	N/A

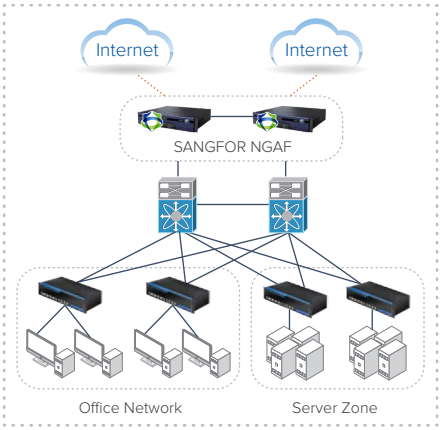
Compliance	M4500-F-I
Certifications	CE, FCC

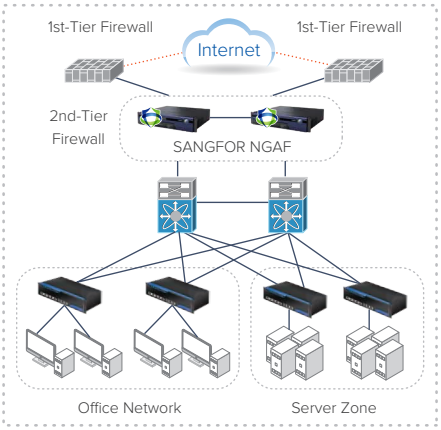
1. Generation #2 of M4500-F-I accepts orders from June 2022. This new generation of hardware brings changes, including better performance, flexible interface options, and better stability.
2. All throughput performance data is measured in the laboratory environment. The real-world performance may vary depending on the configuration & network environment.
3. Firewall Throughput is measured with 1518 Bytes UDP packets.
4. NGFW Throughput is measured with Firewall, Application Control, Bandwidth Management and IPS enabled.
5. Threat Prevention Throughput is measured with Firewall, Application Control, Bandwidth Management, IPS and Anti-Virus enabled.

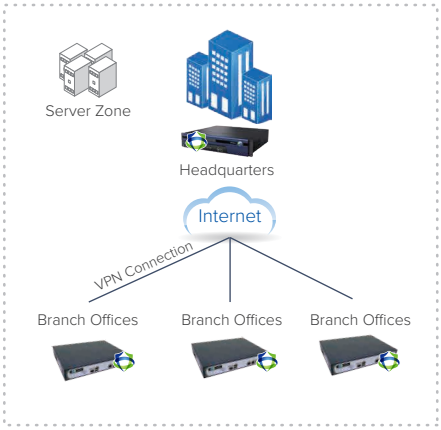
Hardware Specifications	M4500-F-I
RAM	4GB
Storage HD Capacity	64G SSD
Power [Watt] Max	60W
Operating Temperature	0°C ~ 45°C
Humidity	5%~90% non-condensing
System Weight	2.3Kg
System Dimensions (L x W x H, mm)	175 x 275 x 45

Network Interfaces	M4500-F-I
Bypass (Copper)	N/A
10/100/1000 Base-T	6
SFP	N/A
10G Fiber SFP+	N/A
Network Modules (Total/Available)	N/A
Optional Interface	N/A
Serial Port	1 x RJ45
USB Port	2

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

Branch Deployment

- Secure connection to HQ via VPN
- Full protection of branches
- With Sangfor Central management Console , manage all NGAFs from a single point
- Total visibility of the entire organization security status
- Simple operation & management with reporting

Key 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 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.

Security Features

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
- Data Leakage Prevention
- Bandwidth Management
- Real-Time Vulnerability Scanner
- Security Reporter
- Neural-X: Cloud threat intelligence and analytics

Software Features

01 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

02 Access Control

User: Import / export from external server
Authentication: SSO/LDAP/RADIUS
Application: ACL and application rules
URL Filter: Supported

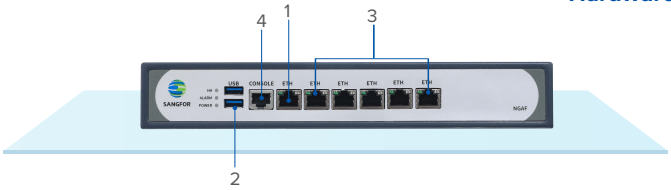
03 VPN

SANGFOR VPN, IPSEC VPN and SSL VPN supported
SDWAN auto path selection

04 Management

SNMP v1, v2c, v3
Syslog
Real-Time Vulnerability Scanner
Central management

Hardware Description



1. Management Interface
2. USB ports
3. Line Interface
4. Console Interface

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NGAF M4500-F-I Ordering Guide

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

Sangfor NGAF Bundle Subscription	
SKU	**Description**
ESS-45-1/2/3/5Y	M4500-F-I, Essential Bundle (30 SSL VPN license, Site-to-Site IPsec VPN, FW, BM, URL filtering, Application Control, IPS, Email Security, Risk Assessment, Security Visibility, Basic Security Reporter)
PM-45-1/2/3/5Y	M4500-F-I, Premium Bundle(30 SSL VPN license, Site-to-Site IPsec VPN, FW, BM, URL filtering, Application Control, IPS, Email Security, Risk Assessment, Security Visibility, Basic Security Reporter, Engine Zero, Neural-X)
ULT-45-1/2/3/5Y	M4500-F-I, Ultimate Bundle including Premium Bundle(30 SSL VPN license, Site-to-Site IPsec VPN, FW, BM, URL filtering, Application Control, IPS, Email Security, Risk Assessment, Security Visibility, Basic Security Reporter, Engine Zero, Neural-X) & Platform-X (NGAF & Endpoint Secure Management, Event Correlation & Response, Security Posture Reporting) & Incident Response (2 times per annum) & Complimentary 30 units of Endpoint Secure Protect Agents (Limited Time Offer)

"A La Carte" Subscription License	
SKU	**Description**
FNX45-1/2/3/5Y	M4500-F-I, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Added Cloud Service
FEZ45-1/2/3/5Y	M4500-F-I, Engine Zero License, AI powered Malware Detection, Anti-malware, Anti-virus
WAFL45-1/2/3/5Y	M4500-F-I, Add Anti-Defacement Module, Web Application FW, Application Hiding, HTTP Anomalies Detection, Data Leak Protection, Web Scanner, Vulnerability Scanner, Advanced Security Reporter

Hardware Support Services	
SKU	**Description**
STS45-1/2/3/5Y	M4500-F-I, NGAF Software Upgrade, 24*7 Technical Support Services
HRTF45-1/2/3/5Y	M4500-F-I, NGAF,Return to Factory (5 Business days ship after receipt)
HSDS-45-1/2/3/5Y	M4500-F-I, NGAF, SDS Hardware Service
HNBD-45-1/2/3/5Y	M4500-F-I, NGAF, NBD Hardware Service
H244G-45-1/2/3/5Y	M4500-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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