

SANGFOR NGAF

M5800-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 M5800-F-I is the ideal Converged Security solution for medium to large enterprise and data center deployment.

Gartner

ICSA Labs
CERTIFIED FIREWALL-CORPORATE



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

Performance & Capacity	NGAF M5800-F-I	Hardware Specifications	NGAF M5800-F-I
Dimension	2U	RAM	16GB
Firewall Throughput	67Gbps	Storage HD Capacity ³	128GB SSD + 480G SSD
NGFW Throughput ¹	31Gbps	Power [Watt] Max	150W
WAF Throughput	31Gbps	Operating Temperature	0 - 45°C
IPS & WAF Throughput	21Gbps	Humidity	5% - 90%, non-condensing
Threat Protection Throughput ²	26.5Gbps	System Weight	12.95 Kg
IPSec VPN Throughput	3.75Gbps	System Dimensions (L * W * H, mm)	600 x 440 x 90
Max IPSec VPN Tunnels	5,000		
Concurrent Connections (TCP)	8,000,000		
New Connections (TCP)	330,000		
Power Redundancy	Supported		
Compliance	NGAF M5800-F-I	Network Interfaces	NGAF M5800-F-I
Certifications	CE, FCC	Bypass (Copper)	3 pairs
		10/100/1000 Base-T	10
		SFP	4
		10G Fiber SFP	2
		Network Modules (Total/Available)	2/1
		Optional Interface	Per network module can add one of the NICs below: ①. 2 x GE RJ45 ⑦. 2 x GE RJ45 & 2 x GE SFP ②. 2 x GE SFP ⑧. 4 x GE RJ45 & 4 x GE SFP ③. 4 x GE RJ45 ⑨. 2 x 10GE SFP+ ④. 4 x GE SFP ⑩. 4 x 10GE SFP+ ⑤. 8 x GE RJ45 ⑪. 2 x 40GE QSFP+ ⑥. 8 x GE SFP
		Serial Port	1 x RJ45
		USB Port	1

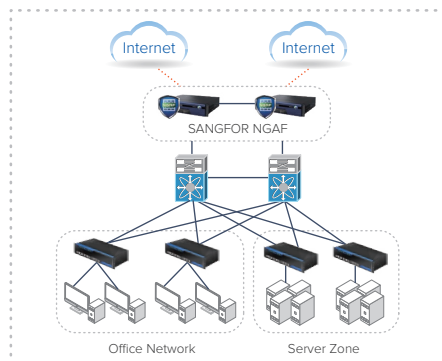
¹ NGFW is measured with Firewall, Bandwidth Management, IPS, Application Control

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

³ Other storage options; 64GB SSD + 960G SSD, 64GB SSD + 2TB SATA

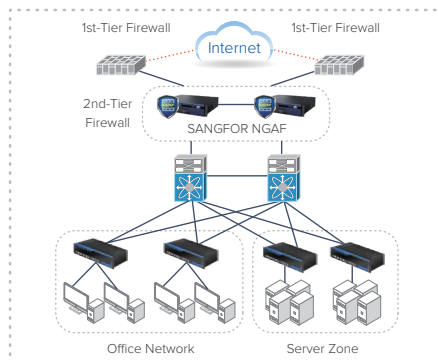


Deployment Modes



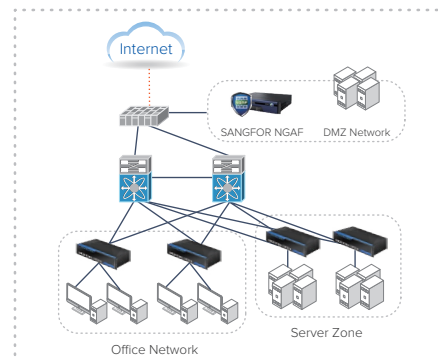
End-to-End Protection

- 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



SANGFOR TECHNOLOGIES INC.

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Make IT Simpler,
More Secure and Valuable

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 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.

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
- Data Leakage Prevention
- 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

Software Features



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

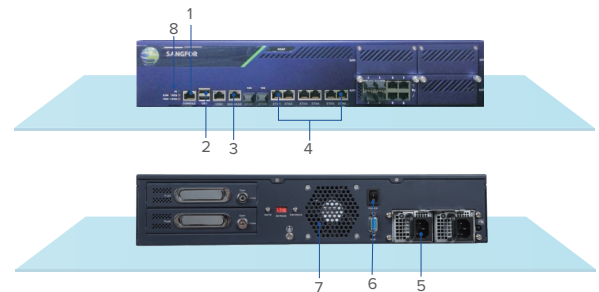
SNMP v1, v2c, v3

Syslog

Real-Time Vulnerability Scanner

Central management

Hardware Description



1. Management Console
2. USB ports
3. Default Interface

4. Line Interface
5. Power outlet
6. Switch

7. Fan Trays
8. LED Indicators

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NGAF M5800-F-I Ordering Guide

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

Sangfor NGAF Bundle Subscription	
SKU	Description
ESS-58-1/2/3/5Y	M5800-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-58-1/2/3/5Y	M5800-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-58-1/2/3/5Y	M5800-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
FNX58-1/2/3/5Y	M5800-F-I, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Added Cloud Service
FEZ58-1/2/3/5Y	M5800-F-I, Engine Zero License, AI powered Malware Detection, Anti-malware, Anti-virus
WAF58-1/2/3/5Y	M5800-F-I, Add Anti-Defacement Module, Web Application FW, Application Hiding, HTTP Anomalies Detection, Data Leak Protection, Web Scanner, Vulnerability Scanner, Advanced Security Reporter
Sangfor Support Services	
SKU	Description
STS58-1/2/3/5Y	M5800-F-I, NGAF Software Upgrade, 24*7 Technical Support Services
HRTF58-1/2/3/5Y	M5800-F-I, NGAF, Return to Factory (5 Business days ship after receipt)
HSDS-58-1/2/3/5Y	M5800-F-I, NGAF, SDS Hardware Service
HNBD-58-1/2/3/5Y	M5800-F-I, NGAF, NBD Hardware Service
H244G-58-1/2/3/5Y	M5800-F-I, 24x7x4 Delivery Hardware Service

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

NGAF_DS_P_NGAF58-Datasheet_20230719



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