

# SANGFOR NGAF

## M5800-F-I

Sangfor Next Generation Application Firewall is the world first fully integrated NGFW + WAF 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-5800 is the ideal Converged Security solution for Medium Corporate Enterprises. NGAF-5800 is also ideal for Medium - Large Branch Deployment.

Gartner

ICSA Labs  
CERTIFIED FIREWALL - CORPORATE



Performance & Capacity	NGAF M5800-F-I
Dimension	2U
Firewall Throughput	35Gbps
NGFW Throughput <sup>1</sup>	28Gbps
WAF Throughput	28Gbps
IPS & WAF Throughput	21Gbps
Threat Protection Throughput <sup>2</sup>	25.2Gbps
IPSec VPN Throughput	3.75Gbps
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
Certifications	CE, FCC

Hardware Specifications	NGAF M5800-F-I
RAM	16Gb
Storage HD Capacity	1TB + 4G CF
Power [Watt] Max	500W
Operating Temperature	0°C~40°C
Humidity	5%~95% non-condensing
System Weight	20.00 Kg
System Dimensions	440x600x90 (W x L x H)

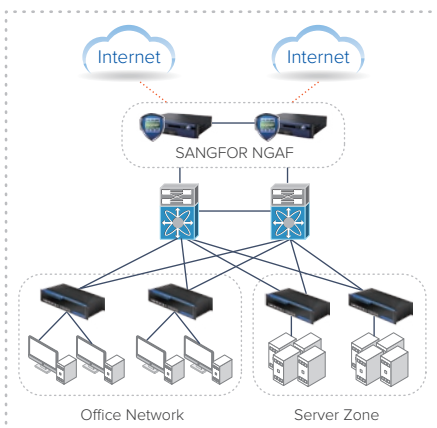
  

Network Interfaces	NGAF M5800-F-I
Bypass (Copper)	4 pair
10/100/1000 Base-T	4
SFP	8
10G Fiber SFP	2
Optional Interface & 10G Fiber SFP*	4*1GbE BASE-T/4*1GbE SFP/8*1GbE BASE-T/8*1GbE SFP/4*1GbE BASE-T with 4*1GbE SFP/2*10GbE SFP+/4*10GbE SFP+
Serial Port	1 x RJ45
USB Port	1

<sup>1</sup> NGFW is measured with Firewall, Bandwidth Management, IPS, Application Control

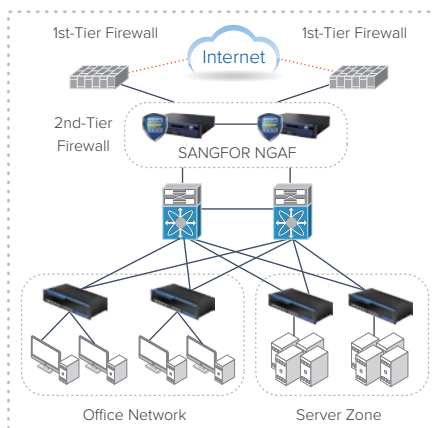
<sup>2</sup> Threat Prevention is measured with Firewall, Bandwidth Management IPS, Application Control, Anti Virus

### Deployment Modes



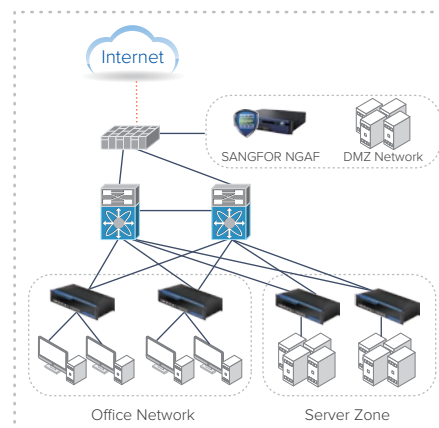
#### End-to-End Protection

- 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

### 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
- Web Scanner
- 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

### 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

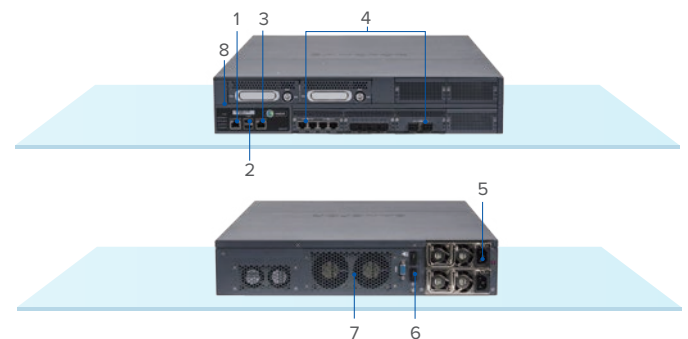
SNMP v1, v2c, v3

Syslog

Real-Time Vulnerability Scanner

Central management

## Hardware Description



1. Management Console

2. USB ports

3. Default Interface

4. Line Interface

5. Power outlet

6. Switch

7. Fan Trays

8. LED Indicators

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

## NGAF M5800-F-I Ordering Guide

### DESCRIPTION

#### NGAF Hardware & Base Software (Mandatory)

M5800-F-I, Hardware, SSL VPN for 30 concurrent users, Site-to-site IPsec VPN with 10 IPsec Clients included.

#### NGAF Hardware & Base Software (Mandatory)

M5800-F-I, NGFW license suite, FW, BM, IPS, URL&APP, Email Security, Sandboxing, Risk Assessment, Security Visibility, Basic security reporter: 1 year, 3 years or 5 years options.

#### NGAF-Add Advanced Business System Total Protection License (Optional)

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 : 1 year, 3 years or 5 years options.

#### NGAF Software Module, Service Subscription (Optional)

Engine Zero, Neural-X, Security Butler, 1 year, 3 years or 5 years options.

IPSec VPN Remote Client, IPSec VPN Remote Client , 1 User

#### NGAF-NGFW Software Upgrade, 24\*7 Technical Support, NGAF RTF (Return to Factory), Hardware Service (Mandatory)

M5800-F-I, NGFW software upgrade, 24\*7 technical support, NGAF RTF hardware service : 1 year, 3 years or 5 years options.

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

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