

# SANGFOR NGAF

## M5900-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-5900 is the ideal Converged Security solution for Large & Medium Enterprises. It is also ideal for Data Center Deployment.

Gartner

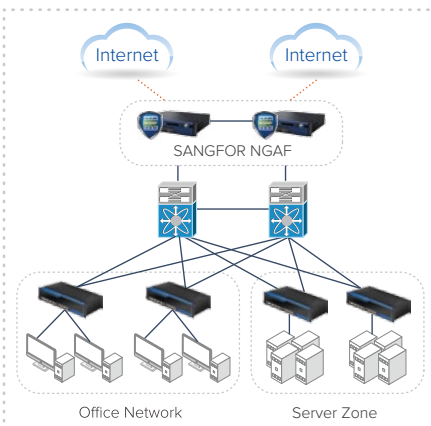
ICSA Labs  
CERTIFIED FIREWALL - CORPORATE



| Performance & Capacity       | NGAF M5900-F-I |
|------------------------------|----------------|
| Dimension                    | 2U             |
| Firewall Throughput          | 40Gbps         |
| IPS & WAF Throughput         | 20Gbps         |
| IPS Throughput               | 20Gbps         |
| WAF Throughput               | 20Gbps         |
| IPSec VPN Throughput         | 5Gbps          |
| Max IPSec VPN Tunnels        | 10,000         |
| Concurrent Connections (TCP) | 8,000,000      |
| New Connections (TCP)        | 450,000        |
| Dual Power Supply            | Supported      |
| Compliance                   | NGAF M5900-F-I |
| Certifications               | CE, FCC        |

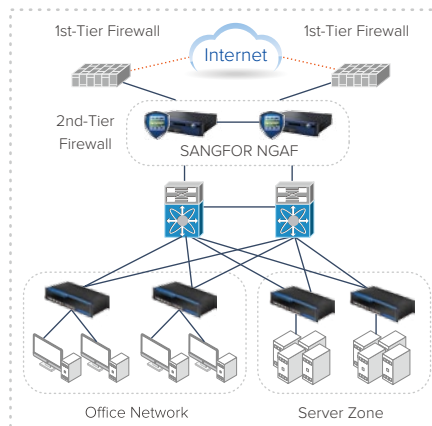
| Hardware Specifications             | NGAF M5900-F-I  |
|-------------------------------------|---|
| RAM                                 | 24Gb  |
| Storage HD Capacity                 | 1TB + 4CF   |
| Power [Watt] Max                    | 500W  |
| Operating Temperature               | 0°C~40°C  |
| Humidity                            | 5%~95% non-condensing   |
| System Weight                       | 20.00 Kg  |
| System Dimensions                   | 440x600x90 mm (W x L x H)   |
| Network Interfaces                  | NGAF M5900-F-I  |
| Bypass (Copper)                     | 2 pair  |
| 10/100/1000 Base-T                  | 4   |
| SFP                                 | 4   |
| 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                            | 2   |

### Deployment Modes



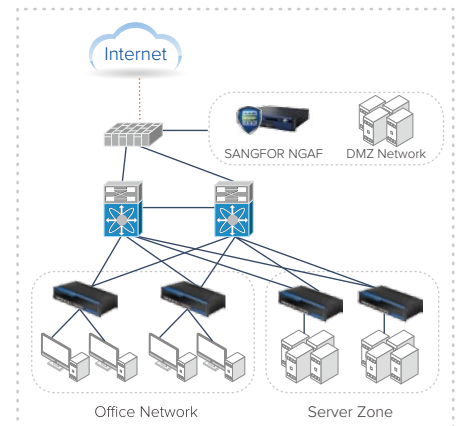
#### End-to-End Protection

- 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



#### 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
- APT
- WAF
- Data Leakage Prevention
- Bandwidth Management
- Web Scanner
- Real-Time Vulnerability Scanner
- Security Reporter

### ② Comprehensive WAF

- Web Application Firewall (WAF).
- 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 supported



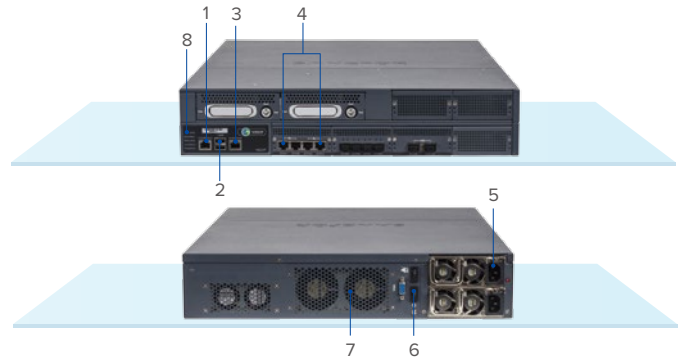
### Management

SNMP v1, v2c, v3

Syslog

Real-Time Vulnerability Scanner

## 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 M5900-F-I Ordering Guide

### DESCRIPTION

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

M5900-F-I, Hardware, SSL VPN for 30 concurrent users, Site-to-site IPsec VPN with 10 IPsec Clients included.

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

M5900-F-I, NGFW license suite, FW, BM, IPS, URL&APP, Anti-virus, Anti-malware, Email Security, Sandboxing, Risk Assessment, Security Visibility, Basic security reporter: 1 year, 3 years or 5 years options.

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

M5900-F-I, NGFW software upgrade, 24\*7 technical support, NGAF RTF hardware service : 1 year, 3 years or 5 years options.

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

M5900-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, Permanent License (Optional)

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

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

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