SANGFOR NGAF

M5600-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 M5500 is the ideal Converged Security solution for Small Enterprises. It is also ideal for Branch Deployment.

Sangfor Technologies AFE.0.AT.100A
RECOMMENDED
Enterprise Firewall
April 2023
CR0 CYBER RATINGS.ORG

FROST & SULLIVAN
BEST PRACTICES AWARDS
2023 ASIA-PACIFIC NEXT-GENERATION FIREWALL COMPANY OF THE YEAR
SANGFOR

Gartner.

Visionary in 2022 Gartner® Magic Quadrant™ for Network Firewalls

Performance & Capacity	NGAF M5600-F-I
Dimension	2U
Firewall Throughput	50Gbps
NGFW Throughput[1]	23Gbps
WAF Throughput	23Gbps
IPS & WAF Throughput	14Gbps
Threat Protection Throughput[2]	18Gbps
IPSec VPN Throughput	3Gbps
Max IPSec VPN Tunnels	4,000
Concurrent Connections (TCP)	4,000,000
New Connections (TCP)	300,000
Dual Power Supplies	Yes

Compliance	NGAF M5600-F-I
Certifications	CE, FCC

[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

| Hardware Specifications	NGAF M5600-F-I
RAM	16GB
Storage HD Capacity	128GB SSD + 480G SSD
Power [Watt] Max	150W
Operating Temperature	0 - 45°C
Humidity	5% - 90%, non-condensing
System Weight	12.95 Kg
System Dimensions (L x W x H, mm)	600 x 440 x 90

| Network Interfaces	NGAF M5600-F-I
Bypass (Copper)	3 pairs
10/100/1000 Base-T	6
SFP	4
10G Fiber SFP+	2
Network Modules (Total/Available)	2/1
Optional Interface	Per network module can add one of the NICs card below: • 2 x GE RJ45 • 2 x 10GE SFP+ • 2 x GE SFP • 4 x 10GE SFP+ • 4 x GE RJ45 • 2 x 40GE QSFP+ • 4 x GE SFP • 2 x GE RJ45 & 2x GE SFP
Serial Port	1 x RJ45
USB Port	2

Deployment Modes
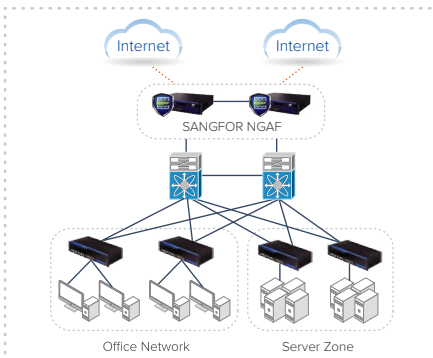
End-to-End Protection

- 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
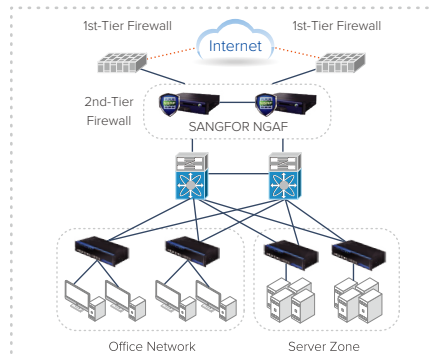
Double Security (2nd-Tier Firewall)

- 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
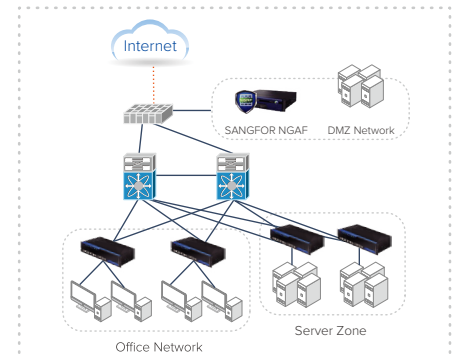
DMZ Protection

- 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
• 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

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
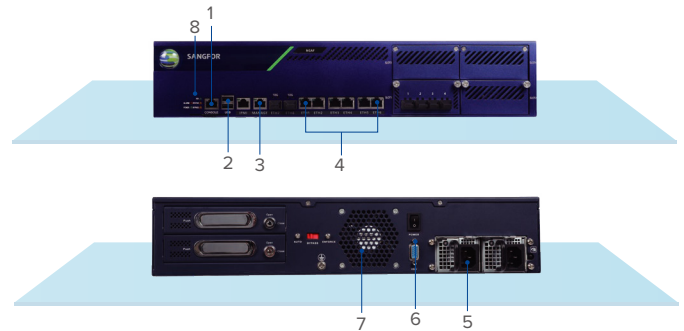SDWAN auto path selection

04 Management

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

Hardware Description

1. Management Console	4. Line Interface	7. Fan Trays
2. USB ports	5. Power outlet	8. LED Indicators
3. Default Interface	6. Switch	

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

NGAF M5600-F-I Ordering Guide

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

Sangfor NGAF Bundle Subscription

SKU	Description
ESS-56-1/2/3/5Y	M5600-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-56-1/2/3/5Y	M5600-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-56-1/2/3/5Y	M5600-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
FNX56-1/2/3/5Y	M5600-F-I, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Added Cloud Service.
FEZ56-1/2/3/5Y	M5600-F-I, Engine Zero License, AI powered Malware Detection, Anti-malware, Anti-virus.
WAFL56-1/2/3/5Y	M5600-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
STS56-1/2/3/5Y	M5600-F-I, NGAF Software Upgrade, 24*7 Technical Support Services
HRTF56-1/2/3/5Y	M5600-F-I, NGAF,Return to Factory (5 Business days ship after receipt)
HSDS-56-1/2/3/5Y	M5600-F-I, NGAF, SDS Hardware Service
HNBD-56-1/2/3/5Y	M5600-F-I, NGAF, NBD Hardware Service
H244G-56-1/2/3/5Y	M5600-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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