SANGFOR NGAF
M5100-F-I

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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-5100 is the ideal Converged Security solution for Small & Medium Enterprises. It is also ideal for Branch Deployment.

Gartner   ICSA labs CERTIFIED FIREWALL - CORPORATE

Performance & Capacity	NGAF M5100-F-I
Dimension	1U
Firewall Throughput	2Gbps
IPS & WAF Throughput	550Mbps
IPS Throughput	1Gbps
WAF Throughput	1Gbps
IPSec VPN Throughput	250Mbps
Max IPSec VPN Tunnels	300
Concurrent Connections (TCP)	250,000
New Connections (TCP)	50,000
Dual Power Supply	N/A

Hardware Specifications	NGAF M5100-F-I
RAM	4Gb
Storage HD Capacity	32G SSD (Customizable up to 2T)
Power [Watt] Max	60W
Operating Temperature	0°C~40°C
Humidity	5%~95% non-condensing
System Weight	3.85 Kg
System Dimensions	300x430x44.5 mm (W x L x H)

Compliance	NGAF M5100-F-I
Certifications	CE, FCC

Network Interfaces	NGAF M5100-F-I
Bypass (Copper)	1 pair
10/100/1000 Base-T	4
SFP	N/A
10G Fiber SFP	N/A
Optional Interface & 10G Fiber SFP*	N/A
Serial Port	1 x RJ45
USB Port	2

Deployment Modes


Office Network   Server Zone
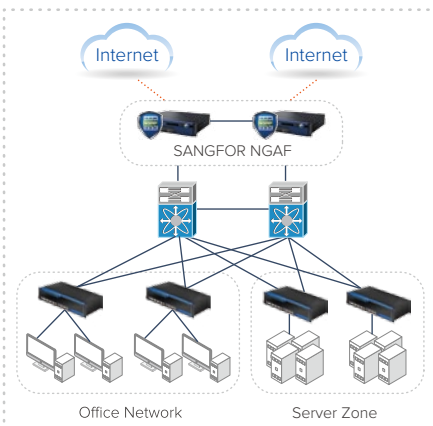
End-to-End Protection
- End-to-end protection from endpoint to business system
- Total visibility of the entire organization security status
- Provides High Availability features with Multi-line HA and Load Balancing
- Proactive early detection and prevention at the gateway to prevent attacks from reaching the network

Office Network   Server Zone
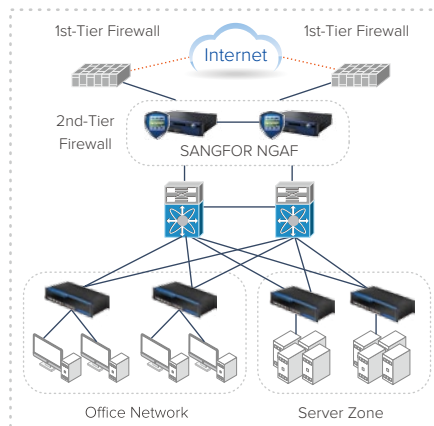
Double Security (2nd-Tier Firewall)
- Double protection which complement existing firewall security policies to ensure full protection
- Providing regulatory compliance
- Simplified deployment, reducing downtime
- Provides flexibility of security design and security policies for different business requirements

Office Network   Server Zone
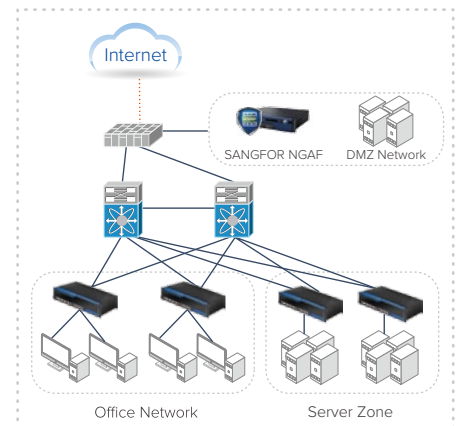
DMZ Protection
- Dedicated business system protection for advance protection, without impacting other networks
- Providing regulatory compliance
- Simplified deployment, reducing downtime
- Minimize operation and maintenance works to monitor and troubleshoot security incidents

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

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

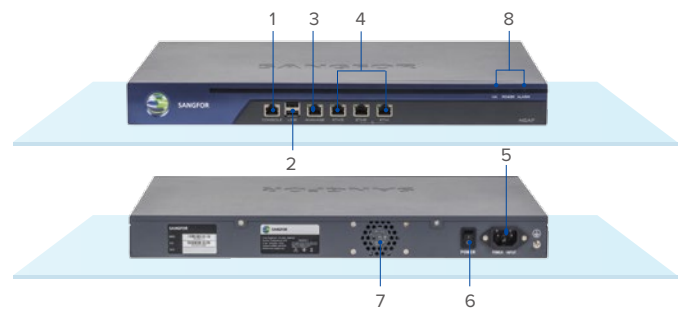### 03 VPN

SANGFOR VPN, IPSEC VPN and SSL VPN supported

04 Management

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

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	

NGAF M5100-F-I Ordering Guide

DESCRIPTION
NGAF Hardware & Base Software (Mandatory)
M5100-F-I, Hardware, SSL VPN for 30 concurrent users, Site-to-site IPsec VPN with 10 IPsec Clients included.
NGAF Hardware & Base Software (Mandatory)
M5100-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)
M5100-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)
M5100-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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