SANGFOR NGAF M6000-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 M6000-F-I is the ideal Converged Security solution for large enterprises and data center deployment.

### Performance & Capacity

<table>
<thead>
<tr>
<th>Dimension</th>
<th>NGAF M6000-F-I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firewall Throughput</td>
<td>140Gbps</td>
</tr>
<tr>
<td>NGFW Throughput</td>
<td>84Gbps</td>
</tr>
<tr>
<td>WAF Throughput</td>
<td>84Gbps</td>
</tr>
<tr>
<td>IPS &amp; WAF Throughput</td>
<td>56Gbps</td>
</tr>
<tr>
<td>Threat Protection Throughput</td>
<td>67.2Gbps</td>
</tr>
<tr>
<td>IPSec VPN Throughput</td>
<td>5Gbps</td>
</tr>
<tr>
<td>Max IPSec VPN Tunnels</td>
<td>10,000</td>
</tr>
<tr>
<td>Concurrent Connections (TCP)</td>
<td>16,000,000</td>
</tr>
<tr>
<td>New Connections (TCP)</td>
<td>600,000</td>
</tr>
<tr>
<td>Power Redundancy</td>
<td>Supported</td>
</tr>
</tbody>
</table>

### Hardware Specifications

<table>
<thead>
<tr>
<th>NGAF M6000-F-I</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAM</td>
</tr>
<tr>
<td>Storage HD Capacity</td>
</tr>
<tr>
<td>Power (Watt) Max</td>
</tr>
<tr>
<td>Operating Temperature</td>
</tr>
<tr>
<td>Humidity</td>
</tr>
<tr>
<td>System Weight</td>
</tr>
<tr>
<td>System Dimensions (L * W * H, mm)</td>
</tr>
</tbody>
</table>

### Network Interfaces

<table>
<thead>
<tr>
<th>NGAF M6000-F-I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bypass (Copper)</td>
</tr>
<tr>
<td>10/100/1000 Base-T</td>
</tr>
<tr>
<td>SFP</td>
</tr>
<tr>
<td>10G Fiber SFP</td>
</tr>
<tr>
<td>Network Modules (Total/Available)</td>
</tr>
</tbody>
</table>

### Optional Interface

<table>
<thead>
<tr>
<th>Serial Port</th>
<th>USB Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x RJ45</td>
<td>2</td>
</tr>
</tbody>
</table>

### Deployment Modes

- **Internet**
- **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

### 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

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SANGFOR NGAF SANGFOR TECHNOLOGIES INC. sales@sangfor.com www.sangfor.com Make IT Simpler, More Secure and Valuable

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 + 2TB SATA

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

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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.

Software Features

1. **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

2. **Access Control**
   - **User**: Import / export from external server
   - **Authentication**: SSO/LDAP/RADIUS
   - **Application**: ACL and application rules
   - **URL Filter**: Supported

3. **VPN**
   - SANGFOR VPN, IPSEC VPN and SSL VPN supported
   - SDWAN auto path selection

4. **Management**
   - SNMP v1, v2c, v3
   - Syslog
   - Real-Time Vulnerability Scanner
   - Central management

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

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 M6000-F-I Ordering Guide

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS-60-1/2/3/5Y</td>
<td>M6000-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)</td>
</tr>
<tr>
<td>PM-60-1/2/3/5Y</td>
<td>M6000-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)</td>
</tr>
<tr>
<td>ULT-60-1/2/3/5Y</td>
<td>M6000-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) &amp; Platform-X (NGAF &amp; Endpoint Secure Management, Event Correlation &amp; Response, Security Posture Reporting &amp; Incident Response (2 times per annum) &amp; Complimentary 30 units of Endpoint Secure Protect Agents (Limited Time Offer))</td>
</tr>
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*A La Carte* Subscription License

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<tr>
<th>SKU</th>
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</tr>
</thead>
<tbody>
<tr>
<td>FNX60-1/2/3/5Y</td>
<td>M6000-F-I, Neural-X License, Threat Intelligence &amp; Analytics, Unknown Threat &amp; Advanced Threat Defense, Value-Added Cloud Service</td>
</tr>
<tr>
<td>FEZ60-1/2/3/5Y</td>
<td>M6000-F-I, Engine Zero License, AI powered Malware Detection, Anti-malware, Anti-virus</td>
</tr>
</tbody>
</table>

Sangfor Support Services

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STS60-1/2/3/5Y</td>
<td>M6000-F-I, NGAF Software Upgrade, 24/7 Technical Support Services</td>
</tr>
<tr>
<td>HRTF60-1/2/3/5Y</td>
<td>M6000-F-I, NGAF, Return to Factory (5 Business days ship after receipt)</td>
</tr>
<tr>
<td>HSDS-60-1/2/3/5Y</td>
<td>M6000-F-I, NGAF, SDS Hardware Service</td>
</tr>
<tr>
<td>HNBID-60-1/2/3/5Y</td>
<td>M6000-F-I, NGAF, NBD Hardware Service</td>
</tr>
<tr>
<td>H244G-60-1/2/3/5Y</td>
<td>M6000-F-I, 24x7x4 Delivery Hardware Service</td>
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For more information on Sangfor full range of support & services, please contact your local representative.