







Visionary in 2022 Gartner® Magic Quadrant™ for Network Firewalls

SANGFOR NETWORK SECURE NSF-3100A-I

Sangfor Network Secure (previously known as Sangfor NGAF) is the world's first next-generation firewall that combines the latest Al Technology, Cloud Threat Intelligence, NG-WAF, IoT Security, and SOC Lite.

Experience unrivaled protection, simplified management, and effortless operation with Sangfor Network Secure.



Performance	NSF-3100A-I	Hardware Specifications	NSF-3100A-I
Firewall Throughput 1,2	30Gbps	Form Factor	1U
Application Control Throughput (64K HTTP/Enterprise Mix) 1,3	20Gbps/15Gbps	RAM	16GB
IPS Throughput (64K HTTP/Enterprise Mix) ¹	7Gbps/5Gbps	Storage	256GB SSD
NGFW Throughput (64K HTTP/Enterprise Mix) ^{1,4}	7Gbps/5Gbps	Power Supply Type	Dual AC, Hot-Swapping
Threat Prevention Throughput (64K HTTP/Enterprise Mix) ^{1,5}	3.6Gbps/3.2Gbps	Power Input	100-240V, 50/60Hz
Web Application Protection Throughput (64K HTTP/Enterprise Mix) ^{1,6}	3.2Gbps/1.5Gbps	Power Consumption (Average)	48W
IPsec VPN Throughput 1,7	3.5Gbps	Power Consumption (Max)	150W
Max IPsec VPN Tunnels	4,000	Operating Temperature	0°C – 45°C
Recommended Maximum SSL VPN Users	300	Humidity	5% - 90% non-condensing
Concurrent Connections	4,000,000	System Weight	8.78kg
New Connections	180,000	Length x Width x Height (mm)	450 x 440 x 44.5
Virtual Domains (Recommended/Max)	5/10	Certificates	CE, FCC, ROHS
Virtual Domains (Recommended/Max)	5/10	Certificates	CE, FCC, ROHS

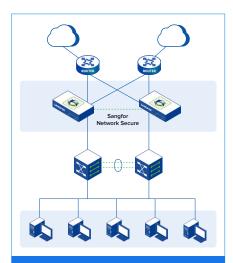
Interface & IO	NSF-3100A-I	Interface & IO	NSF-3100A-I
Hardware Bypass (Copper)	4 Pairs	Optional Interface Card	 2 x GE RJ45 2 x GE SFP 4 x GE RJ45 4 x GE SFP 2 x GE RJ45 & 2 x GE SFP 2 x 10GE SFP+ 4 x 10GE SFP+ 2 x 40GE QSFP+
10/100/1000 Base-T	16 (Fixed onboard)		
1G SFP	N/A		
10G SFP+	6 (Fixed onboard)		
40G QSFP+	N/A		
Network Slots (In Use/Total)	0/2	Serial Port	1 x RJ45
Dedicated Management Interface	1 (Fixed onboard)	USB Port	2

- 1. All throughput performance data is measured under laboratory conditions. Actual performance may vary based on configuration and network environment
- 2. Firewall Throughput is measured with 1518 Bytes UDP packets.
- 3. Application Control throughput is measured with Firewall and Application Control enabled.
- 4. NGFW Throughput is measured with Firewall, Application Control, Bandwidth Management, and IPS enabled.
- 5. Threat Prevention Throughput is measured with Firewall, Application Control, Bandwidth Management, IPS, and Anti-Virus enabled.
- ${\it 6. Web Application Protection Throughput is measured with Firewall, Application Control, Bandwidth}\\$ Management, IPS, and WAF enabled.
- 7. IPsec VPN Throughput includes Sangfor-to-Sangfor device connection and Sangfor-to-3rd party
- 8. All Pictures shown are for illustration purpose only. Actual Product may vary.



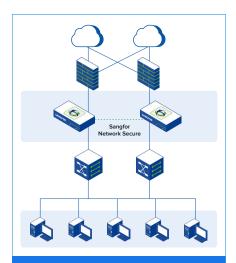






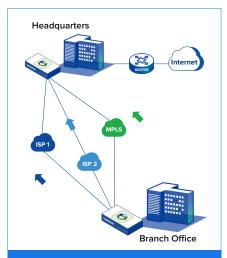
Network Protection

- Al, Threat Intelligence & WAF
- Complete asset & threats visibility
- Auto threat mitigation
- Avoid misconfigurations



2nd-Tier Firewall

- Extra layer of protection
- Effortless deployment
- No configuration changes
- Built-in hardware bypass



Secure SD-WAN

- Boost network agility
- Guarantee business continuity
- Strengthen security control
- Reduce TCO

Feature List

Networking & Deployment

- Deployment Modes: Routed Mode (Layer 3), Transparent/Bridge Mode (Layer 2), Virtual Wire Mode, Bypass Mode, Hybrid Mode
- IPv6-Ready: IPv4, IPv6, or IPv4/IPv6 dual-stack deployment
- Interfaces: Physical, VLAN (802.1Q tagging & trunking), Sub-interface, Loopback
- PPPoE Support: Physical interfaces and sub-interfaces
- Interface Definition: Define interfaces as WAN, LAN, DMZ without hardware constraints
- Supports GRE and GRE tunneling
- Interface Aggregation: LACP Mode and Static Mode (Round Robin, Hash, and Active-Standby)
- · Link Health Detection: ARP, DNS, Ping, BFD
- Jumbo Frame: Supported on physical interfaces
- · Customizable network and security zones
- DHCP Features: DHCP, DHCPv6, DHCP & DHCPv6 relay, IP reservation (IPv4 & IPv6)
- DNS Capabilities: DNS proxy, DNS transparent proxy, DNS64, DDNS
- ARP Proxy
- Static routing, policy-based routing, multicast routes, reverse path forwarding, ECMP
- · Policy Routing: By source/destination IP, ISP, country/region service, application type
- Link Load Balancing: Round robin, bandwidth ratio, weighted least traffic, priority link
- Protocols: RIPv1/v2, RIPNG, OSPFv2/v3, BGP/BGP4+
- Supports Route redistribution
- · OSPF supports access list and route maps, graceful restart
- · Supports route testing to verify the routing result
- · Displays routing table on GUI
- NAT Features: SNAT, DNAT, Bidirectional NAT/PAT (Modes 1:1, 1:N, N:1, M:N), NAT64, NAT46, NAT66, DNS-mapping
- Application Layer Gateways (ALG): FTP, RTSP, SQLNET, PPTP, TFTP,
- Availability Features: Active-Active, Active-Standby, Hardware Bypass

IPsec VPN

- Supports: Sangfor VPN, IPsec VPN
- Site-to-site IPsec VPN (static IP, dynamic IP, dynamic domain)
- IKEv1 and IKEv2
- · Works in tunnel mode
- IPsec protocols: AH and ESP
- · Supports main mode and aggressive mode
- · Authentication methods: pre-shared key and certificate
- Local & peer ID: IP address, Domain String(FQDN), User String(USER_FQDN)
- DH Group & Perfect Forward Secrecy: group1(MODP1024), group2(-MODP768), group5(MODP1536), group14(MODP2048), group15(MODP3072), group16(MODP4096), group17(MODP6144), group18(MODP8192), group19(ECP256), group20(ECP384), group21(ECP512), group22(-MODP1024_160), group23(MODP2048_224), group24(MODP2048_256), group25(ECP192), group26(ECP224), group27(ECP224_BP), group28(ECP256_BP), group29(ECP384_BP), group30(ECP512_BP).
- IPsec encryption algorithms: DES, 3DES, AES/AES128, AES192, AES256, Sangfor_DES
- IPsec authentication algorithms: MD5, SHA1, SHA256, SHA384, SHA512
- NAT-T. DPD
- Supports setup expiration time of IPsec VPN tunnels
- Supports VPN tunnel auto rebuild during heartbeat failure or HA failover
- VPN tunnel status monitoring, including traffic, latency, packet loss, etc.
- Configuration wizard for Sangfor VPN or IPsec VPN

SSL Decryption

- SSL/TLS inspection: Outbound traffic to the Internet and inbound traffic to application servers
- TLS 1.3 decryption









Feature List

SSL VPN

- · Supports SSL VPN in CS (client-server) mode
- Hash Algorithms: MD5, SHA1, SHA256, SHA384, SHA512
- Encryption algorithms: DES, 3DES, AES/AES128, AES192, AES256, Sangfor_DES.
- Protocols: TCP, UDP, ICMP
- Browser Compatibility: IE, Edge, Firefox, Chrome, etc.
- OS Compatibility: Windows, Android, iOS, macOS, etc.
- Authentication: Primary authentication (local/LDAP), secondary authentication (hardware ID, TOTP with Google/Microsoft authenticators)

SD-WAN & Central Management

- Dynamic Path Selection: Based on custom SLAs (jitter, latency, packet loss), bandwidth, application type
- Application categorization by type to meet different SLA requirements
- · SOFAST Engine: Link optimization in high packet loss environments
- · SD-WAN tunnel failover and link failover
- · Zero-touch provisioning via email template
- Map view of device location
- Centralized management with Sangfor Central Manager
- · Centralized monitoring of device status, CPU/RAM/disk usage, traffic
- Centralized remote control of devices
- Centralized security policy distribution
- Centralized VPN deployment and configuration

Bandwidth Management

- Manage bandwidth by application, user/group, IP address, schedule. country/region, sub-interface, VLAN interface, VPN tunnel
- Bandwidth Control: Bandwidth guarantee, bandwidth limit, upload & download speed, speed for single IPs

Access Control & Authentication

- Stateful Packet Inspection (Stateful Firewall)
- Deep Packet Inspection (DPI): Identifies applications to allow/deny access
- Built-in Application Signature Database: Over 9,000 signatures, including ${\sf P2P, IM, gaming, video \ streaming, email, proxy \ apps}$
- "From top to bottom, first match basis" method
- Access control based on source/destination IP, source/destination zone. source port, FQDN, MAC, User, service, applications, schedule, etc.
- Supports persistent connections
- Supports matching count for access control policies
- · Policy optimizer: One-click to identify abnormalities in access control policies, including redundancy, duplication, and conflicts
- Automatically records the access control policy lifecycle
- · Geolocation blocking: Allow/deny access from certain countries/regions
- · Connection control based on source IP, destination IP, bidirectional IP
- · User authentication: Captive portal, MAC/IP address binding, or Single Sign-On (SSO)
- Authentication with LDAP, RADIUS, POP3. Supports user imports via CSV file
- Single-Sign-On (SSO) with Microsoft AD, RADIUS, Web, etc.
- HTML-based customizable captive portal

ARP, DoS/DDoS Attack Protection

- DoS/DDoS attack protection for both the network and the device itself
- SYN flood, ICMP flood, ICMPv6 flood, UDP flood, DNS flood, ARP flood prevention
- IP scan and port scan prevention
- Packet-based attack prevention, e.g., TearDrop Attack, IP fragment, LAND attack, WinNuke attack, Smurf attack, Ping of Death, Unknown protocol
- Bad IP option, Bad TCP option prevention
- ARP Spoofing Protection

Content Security

- · URL filtering with a built-in URL signature database
- Supports customized URL signatures
- File filtering in both upload and download directions. Supported file types include pictures, text files, compressed files, and executables
- · Gateway malware inspection: Cloud-based Sangfor Neural-X (threat intelligence, sandbox) and on-premises Sangfor Engine Zero (Al malware inspection engine). Able to prevent known and unknown threats
- Malware inspection supports protocols like HTTP, HTTPS, FTP, SMB, SMTP, POP3, IMAP
- Malware inspection supports file types including movies, music, image, text. compressed files (up to 16 layers), executables, documents, scripts
- Remove malware from detected malicious files
- Whitelist based on MD5 and URL
- In-depth inspection of email body and attachments
- Inserts warning messages into email subjects to caution users against opening malicious emails

Web Application Firewall (WAF)

- Dedicated web application protection with a semantic detection engine, not with IPS
- Supports custom WAF rules
- Detects and protects against 13 major types of attacks, including SQL injection, XSS, web shells, CSRF, system command injection
- Protection against the OWASP Top 10 web application security risks
- · Defense against buffer overflow attacks, including URL length overflow, HTTP header overflow, POST entity overflow
- CC (Challenge Collapsar) attack prevention
- XXE (XML External Entity) attack prevention
- Detect HTTP request anomalies
- Prevent cookie-based attacks
- · Cloud Intelligence: for the latest IP reputation and IP blacklist data
- Real-time Web Vulnerability Scanner: Analyzes web application vulnerabilities in passive mode and generates reports in HTML format
- Application Hiding: Prevent targeted attacks with the feedback information from the applications
- Weak password detection and brute-force attack prevention
- Restrict upload of blacklisted file types
- · Specify access privileges for sensitive URLs such as the admin page





Feature List

APT Protection & Intrusion Prevention System (IPS)

- Malicious Domain & URL Detection
- Remote Access Trojan (RAT) Detection
- Suspicious Traffic Detection: Discover abnormal behavior on standard ports
- Vulnerability Exploit Protection: Protect against vulnerability exploits targeting systems, applications, middleware, databases, explorer, Telnet, DNS, and more
- Brute-Force Attacks: Protection profiles for SSH, Telnet, RDP, NTLM, FTP, etc.
- Botnet Detection: Detect botnet client communication, include DNS tunneling. ICMP tunneling, HTTP tunneling etc.
- Correlate with Sangfor Endpoint Secure to detect hidden botnet activity
- · Cloud-based analysis engine for enhanced detect
- Dedicated protection profiles for client & server scenarios
- Supports custom IPS rules

IoT Security

- Detect IoT devices across the network through proactive scans and traffic learning
- · Detected IoT devices are presented as an asset list
- Support Spoofed Access detection & control via IP, MAC, and Device Type
- Dedicate IoT IPS signature database

SOC Lite

- Proactive asset detection and guidance for fixing potential risks
- Business System & Client Threats Dashboard: Monitor and manage threats to business systems and clients, including severity levels, threat types, kill-chain steps, top security events
- Ransomware Protection Dashboard: Detect and manage ransomware-related risks such as weak passwords, risky ports, etc. Helps administrators create ransomware protection policies
- Account Security Dashboard: Detect account-related threats, including weak passwords, abnormal login activity, brute-force attacks, compromised accounts
- Whitelist & Blacklist
- Cloud Deception: Utilize cloud resources to deploy decoys to confuse attackers, track malicious behaviors, locate and block the source of the threat

Certifications

- · CE, FCC, RoHS
- ICSA Firewall, Gartner Magic Quadrant, CyberRatings

* All the feature above is based on Network Secure firmware version 8.0.85 and higher

Logging & Reporting

- · Built-in log and report center available by default for all hardware
- Records logs to local disk including access control logs, session logs, traffic audit logs, user authentication logs admin operation logs, SSL VPN logs, local ACL logs.
- Traffic/session monitoring by device, application, IP, interface
- Displays traffic rankings by user/IP, group, application type & application category.
- · Options for daily, weekly, or monthly security report subscriptions
- Supports security reports in PDF format
- Supports syslog in Common Event Format
- Supports sending syslog to multiple target servers

Management

- Support manage via WebUI, SSH, CLI, serial port etc.
- WebUI supports TLS1.0, TLS1.1, TLS1.2, TLS1.3
- Supports role-based authorization for admin users. Default roles include security admin, system admin, and audit admin
- Admin user supports local password, TACACS server, and RADIUS server
- · Automatic or manual configurations backup
- Backup configuration file to FTP, TFTP & SFTP by schedule
- Out-of-Band Management (OOBM)
- Time setting supports synchronization with local PC and NTP servers
- Firmware version rollback
- SNMP v1/v2c/v3, SNMP trap
- Email alerts for hardware abnormality, resource usage, security event, HA status, etc.
- Troubleshooting via WebUI; Identify packet drop reasons by policy, interface, etc.

Integration

- Sangfor Neural-X: Latest threat intelligence, cloud-based URL/App classifications, etc.
- Sangfor Endpoint Secure: Share intelligence and locate and mitigate malicious processes with quick/full scan and one-click kill
- Sangfor Cyber Command: Security log analysis
- Sangfor Platform-X: Centralized management
- · Restful APIs available to integrate with third-party SIEM, SOC, etc.





Ordering Guide •

Sangfor Network Secure Bundle Subscription SKU Description NSF-3100A-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). NSF-3100A-IY/2Y/3Y/5Y NSF-3100A-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 XI, Basic All Security, SOC Lite, Basic Security Reporter, Engine Zero, Neural XI, Basic Security, SOC Lite, Basic Security Reporter, Engine Zero, Neural XI, Basic Security Reporter, SD-WAN, 11 Central management branch access license). NSF-3100A-19/2Y/3Y/5Y NSF-3100A-1, Secure SD-WAN 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, SD-WAN, 1 **Central management branch access license). Sangfor Network Secure A-La-Carte Subscription SKU Description NSF-3100A-1, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Adder Cloud Service. NSF-3100A-1, Permium Sundale, Support Signature-based protection, Semantic Engine, Application Hiding HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter. NSF-3100A-1, Secure SD-WAN License, support Signature-based protection, Semant	Sangfor Network Secure Hardware			
Sangfor Network Secure Bundle Subscription SKU Description SKU Description NSF-3100A.1, Essential Bundle (SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management, URL Filtering, Application Control, IPS, Borner Prevention, Email Security, SCC Lite, Basic Security Reporter, Papility Application Control, IPS, Borner Prevention, Email Security, SCC Lite, Basic Security Reporter, Bright Application Control, IPS, Borner Prevention, Email Security, SCC Lite, Basic Security Reporter, Bright Ztro, Neural XI. ULT-3100A-17/27/37/5Y NSF-3100A-I, Ultimate Bundle Including Premium Bundle(SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management, URL Filtering, Application Control, IPS, Bother Prevention, Email Security, SCC Lite, Basic Security Reporter, Engine Ztro, Neural XI. NSF-3100A-17/27/37/5Y NSF-3100A-1, Ultimate Bundle Including Premium Bundle(SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management, URL Filtering, Application Control, IPS, Bother Prevention, Email Security, SCC Lite, Basic Security Reporter, SD-WAN, 11 Central management mental access Increase). NSF-3100A-17/27/37/5Y NSF-3100A-1, Secure SD-WAN Premium bundle (SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management URL Filtering, Application Control, IPS, Bother Prevention, Email Security, SOC Lite, Basic Security Reporter, Emgine Zero Neurola, SD-Wan, 11 Central management branch access Increase). SRU Description NSF-3100A-17/27/37/5Y NSF-3100A-1, Revarlax License, Threat Intelligence & Analytics, Unknown Threat & Advanced Tirrest Defense, Value-Added Could Service. PEZ-3100A-17/27/37/5Y NSF-3100A-1, Repulse Zero License, All Powered Molware Detection, Anti Molwara, Anti-Vins. NSF-3100A-1, Web Application Firewall Module, support SD-Wan path seclection, Sangfor SCFAST packet loss optimization engine and 11 central management branch access[BCAI-TD). NSF-3100A-1, Veb Application Premium Subject States and Premium Subject Internal management branch access[BCAI-TD). NSF	SKU	Description		
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NSF-3100A-1/22/37/5Y NSF-3100A-1, Essential Bundle (SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management, URL Filtering, Application Control, IPS, Botner Prevention, Final Security, SOC Line, Basic Security Reporter, NSF-3100A-1, Premium Bundle(SSL VPN, Site to Site IPsec VPN, Stateful Firewall, Bandwidth Management, URL Filtering, Application Control, IPS, Botner Prevention, Email Security, SOC Line, Basic Security Reporter, Engine Zero, Neural XJ, Basic device management & Complimentary 30 units of Endpoint Secure Protect Agents with one Engine Zero, Neural XJ, Basic device management & Complimentary 30 units of Endpoint Secure Protect Agents with one Engine Zero, Neural XJ, Basic device management & Complimentary 30 units of Endpoint Secure Protect Agents with one Engine Zero, Neural XJ, Basic device management & Complimentary 30 units of Endpoint Secure Protect Agents with one Engine Zero, Neural XJ, Basic device management & Complimentary 30 units of Endpoint Secure Protect Agents with one Engine Zero, Neural XJ, Basic device management & Complimentary 30 units of Endpoint Secure Protect Agents with one Engine Zero Neural XJ, Basic Security Reporter, SD-WAN, 1 Central management branch access levense). NSF-3100A, 1, Secure SD-WAN Permium bundle (SSL VPN, Site-to-Site IPsec VPN, Stateful Firewall, Bandwidth Management Dranch access levense). Sangfor Network Secure A-La-Carte Subscription SKU Description SKU Description SKU Description NSF-3100A, 1, Engine Zero License, Ai-Powered Melware Detection, Anni Melware, Anti-Vrius. NSF-3100A, 1, Engine Zero License, Ai-Powered Melware Detection, Anni Melware, Anti-Vrius. NSF-3100A, 1, Engine Zero License, Ai-Powered Melware Detection, Sangfor SDFAST packet loss optimization engine and 1° central management branch access[BBCAL-1D]. IOTL-3100A-17/27/37/57 NSF-3100A, 1, Secure SD-WAN License, support SDWAN path acclection, Sangfor SDFAST packet loss optimization engine and 1° central management branch access[BBCAL-1D]. NSF-3100A, 1, So	Sangfor Network Secure Bundle Subscription			
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Application Control, IPS, Botnet Prevention, Email Security, SOC Lite, Basic Security Reporter, Engine Zero, NeuralX), NSF-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Network Secure. NSF-3100A-1,	ESS-3100A-1Y/2Y/3Y/5Y	NSF-3100A-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).		
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). NSF-3100A-1, Secure SD-WAN 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, SD-WAN, 1 **Central management branch access license). NSF-3100A-19/27/37/5Y	PM-3100A-1Y/2Y/3Y/5Y	NSF-3100A-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).		
SDWE-3100A-1Y/2Y/3Y/5Y URL Filtering, Application Control, IPS, Botnet Prevention, Email Security, SOC Lite, Basic Security Reporter, SD-WAN, 1* Central management branch access licensely. NSF-3100A-1, Secure SD-WAN 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, SD-WAN, 1* Central management branch access licensely. Sangfor Network Secure A-La-Carte Subscription SKU Description NSF-3100A-1, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Added Cloud Service. FEZ-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Engine Zero License, Al-Powered Malware Detection, Anti-Malware, Anti-Virus. WAFL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Web Application Firewall Module, support Signature-based protection, Semantic Engine, Application Hiding HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter. SDWL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Secure SD-WAN License, support So-WAN path seclection, Sangfor SOFAST packet loss optimization engine and 1* central management branch access (BBCAL-1D). IOTL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, IoT Security license, support IoT/OT device discovery, access control & security protection. CDEP-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discover internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Services. SKU Description NSF-3100A-1, Software Upgrade Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Software Upgrade Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Network Secure, Same Day Shipment after Receipt) Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Network Secure, Same Day Shipment Hardware Service.	ULT-3100A-1Y/2Y/3Y/5Y	NSF-3100A-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).		
Spwp-3100A-1Y/2Y/3Y/5Y URL Filtering, Application Control, IPS, Botnet Prevention, Email Security, SOC Lite, Basic Security Reporter, Engine Zero Neural-X, SD-WAN, 1* Central management branch access license). Sangfor Network Secure A-La-Carte Subscription SKU Description NSF-3100A-I, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Added Cloud Service. FEZ-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Engine Zero License, Al-Powered Malware Detection, Anti-Malware, Anti-Virus. WAFL-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Web Application Firewall Module, support Signature-based protection, Semantic Engine, Application Hiding HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter. SDWL-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Secure SD-WAN License, support SD-WAN path seclection, Sangfor SOFAST packet loss optimization engine and 1* central management branch access(BBCAL-ID). IOTL-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, IoT Security license, support IoT/OT device discovery, access control & security protection. CDEP-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discover internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HRDB-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	SDWE-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Secure SD-WAN 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, SD-WAN, 1 * Central management branch access license).		
SKU Description FNX-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Adder Cloud Service. FEZ-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Engine Zero License, Al-Powered Malware Detection, Anti-Malware, Anti-Virus. WAFL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Web Application Firewall Module, support Signature-based protection, Semantic Engine, Application Hiding HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter. SDWL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Secure SD-WAN License, support SD-WAN path seclection, Sangfor SOFAST packet loss optimiziation engine and 1* central management branch access(BBCAL-1D). IOTL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, IoT Security license, support IoT/OT device discovery, access control & security protection. CDEP-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discover internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Software Upgrade Services. TSS-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Network Secure, Next Business Day Delivery Hardware Service.	SDWP-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Secure SD-WAN 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, SD-WAN, 1 * Central management branch access license).		
NSF-3100A-1, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Added Cloud Service. FEZ-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Engine Zero License, Al-Powered Malware Detection, Anti-Malware, Anti-Virus. WAFL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Web Application Firewall Module, support Signature-based protection, Semantic Engine, Application Hiding HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter. SDWL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Secure SD-WAN License, support SD-WAN path seclection, Sangfor SOFAST packet loss optimization engine and 1* central management branch access(BBCAL-1D). IOTL-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, IoT Security license, support IoT/OT device discovery, access control & security protection. CDEP-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discover internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Software Upgrade Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, 24*7 Technical Support Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-1, Network Secure, Same Day Shipment Hardware Service.	Sangfor Network Secure	A-La-Carte Subscription		
Cloud Service. FEZ-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Engine Zero License, Al-Powered Malware Detection, Anti-Malware, Anti-Virus. NSF-3100A-I, Web Application Firewall Module, support Signature-based protection, Semantic Engine, Application Hiding HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter. SDWL-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Secure SD-WAN License, support SD-WAN path seclection, Sangfor SOFAST packet loss optimization engine and 1* central management branch access(BBCAL-ID). IOTL-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, IoT Security license, support IoT/OT device discovery, access control & security protection. CDEP-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discovery internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, 24*7 Technical Support Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service.	SKU	Description		
NSF-3100A-I, Vehicle Application Firewall Module, support Signature-based protection, Semantic Engine, Application Hiding HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter. SDWL-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Secure SD-WAN License, support SD-WAN path seclection, Sangfor SOFAST packet loss optimization engine and 1* central management branch access(BBCAL-ID). IOTL-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, IoT Security license, support IoT/OT device discovery, access control & security protection. NSF-3100A-I, IoT Security license, supporting cloud integration to simulate business systems, helping to discove internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description NSF-3100A-I, Software Upgrade Services. TSS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HSDS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	FNX-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Neural-X License, Threat Intelligence & Analytics, Unknown Threat & Advanced Threat Defense, Value-Added Cloud Service.		
HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter. NSF-3100A-I, Secure SD-WAN License, support SD-WAN path seclection, Sangfor SOFAST packet loss optimization engine and 1° central management branch access(BBCAL-ID). NSF-3100A-IY/2Y/3Y/5Y NSF-3100A-I, IoT Security license, support IoT/OT device discovery, access control & security protection. NSF-3100A-IY/2Y/3Y/5Y NSF-3100A-I, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discover internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description SUS-3100A-IY/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. TSS-3100A-IY/2Y/3Y/5Y NSF-3100A-I, 24'7 Technical Support Services. HRTF-3100A-IY/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HSDS-3100A-IY/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-IY/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	FEZ-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Engine Zero License, AI-Powered Malware Detection, Anti-Malware, Anti-Virus.		
and 1* central management branch access(BBCAL-1D). IOTL-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, IoT Security license, support IoT/OT device discovery, access control & security protection. NSF-3100A-I, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discover internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. TSS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, 24'7 Technical Support Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HSDS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	WAFL-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Web Application Firewall Module, support Signature-based protection, Semantic Engine, Application Hiding, HTTP Anomalies Detection, Vulnerability Scanner, Advanced Security Reporter.		
CDEP-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discover internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. TSS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, 24*7 Technical Support Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HSDS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	SDWL-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Secure SD-WAN License, support SD-WAN path seclection, Sangfor SOFAST packet loss optimziation engine and 1 * central management branch access(BBCAL-1D).		
internal malicious behavior and mitigate lateral movement. Sangfor Network Secure Hardware & Software Service SKU Description SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. TSS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, 24*7 Technical Support Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HSDS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	IOTL-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, IoT Security license, support IoT/OT device discovery, access control & security protection.		
SKU Description SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. TSS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, 24*7 Technical Support Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HSDS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	CDEP-3100A-1Y/2Y/3Y/5Y ¹	NSF-3100A-I, Cloud Deception License, supporting cloud integration to simulate business systems, helping to discover internal malicious behavior and mitigate lateral movement.		
SUS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Software Upgrade Services. TSS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, 24*7 Technical Support Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HSDS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	Sangfor Network Secure Hardware & Software Service			
TSS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, 24*7 Technical Support Services. HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. HSDS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	SKU	Description		
HRTF-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service. NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	SUS-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Software Upgrade Services.		
HSDS-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service. HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	TSS-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, 24*7 Technical Support Services.		
HNBD-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.	HRTF-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Return to Factory (5 Business Days Shipment after Receipt) Hardware Service.		
	HSDS-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Network Secure, Same Day Shipment Hardware Service.		
H244G-3100A-1Y/2Y/3Y/5Y NSF-3100A-I, 24x7x4 Delivery Hardware Service.	HNBD-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, Network Secure, Next Business Day Delivery Hardware Service.		
	H244G-3100A-1Y/2Y/3Y/5Y	NSF-3100A-I, 24x7x4 Delivery Hardware Service.		

 $1. \ Cloud \ Deception \ availability \ varies \ across \ regions. \ Please \ check \ with \ Sang for \ local \ representatives \ for \ details.$

Network Secure Datasheet_DS_P_NSF-3100A-I_20240709



