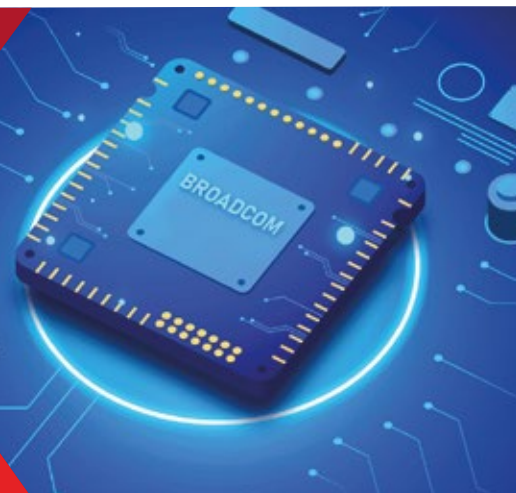


Cloud Managed Security Gateway NX-SG Series



OVERVIEW

Nodexon SG Series is a Next-generation Unified Security Gateway is a multi-functional Cloud Managed Security Gateway product for various industries. Equipped with high-performance multi-core MIPS hardware architecture, the SG Gateway supports a wide range of features such as high-performance NAT, WAN load balancing, smart flow control, online behavior management, visualized IPsec VPN1, web authentication etc... The SG Security Gateway can offer local storage for Internet activity logging, which is required for National Internet Security Compliance in many countries, thanks to its integrated Hard Disk Drive (HDD).

Nodexon Cloud also supports the Nodexon SG Series, as well as switches and wireless access points. For SME clients, Nodexon offers a unique Mobile App Dummy Provisioning for simplicity of setup. Without any PC setup or cable installation, the user may finish the Gateway basic setup with Internet access in less than 3 minutes.

FEATURES HIGHLIGHTS

- AAA Integration & Smart Flow Control
- Management of user online behavior
- Cloud Management is completely free.
- Traffic Visualization & VPN
- Seamless Roaming Experience
- App Caching for Download Acceleration
- Internet Audit Log Storage Built-in (SG3750 and SG3730)
- 1000 Client Connections Supported



NX-SG3750



NX-SG3730



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PRODUCT FEATURES

Smart Flow Control & AAA Integration

To regulate downlink traffic and prevent downlink bandwidth exhaustion, use a smart P2P speed limit, precise P2P software identification, and automated delivery of uplink source quench messages. The series also supports over 120 popular application in DPI engine and enjoys FREE for life signature update. Role-based flow management based on usernames and user groups to enable the distribution of bandwidths according to various departments is supported along with Web authentication, connection with AAA Software, and a basic traffic accounting function are all features of AAA (Authentication, Authorization, and Accounting)..

Flexible Authentication

All account or portal management can be done centrally at Nodexon Cloud, but all authentication is done locally at SG Gateway, ensuring high authentication performance and availability. This means that any connectivity issues with the Nodexon Cloud service will not affect the user authentication service.

Online Behavior Management

The Nodexon SG Next-generation Unified Security Gateway manages intranet users' online behavior in detail, banning a range of non-work-related websites to foster a positive working environment and increase productivity.

VPN Visualization

The VPN configuration on the Nodexon Security Gateway has been greatly simplified, requiring only a few clicks to complete, obviating the need for expert maintenance. The gateway allows users to see and manage traffic in the VPN tunnel, resulting in a visualized VPN that ensures the security of critical services.

Traffic Analysis

The Nodexon SME Security Gateway, which is equipped with powerful DPI technology, collects traffic usage statistics for report generation based on users, applications, and links, providing reliable historical data for bandwidth expansion as well as user and application-based bandwidth control policies.

Centralized Cloud Management

When combined with Nodexon cloud services, the SG Security Gateway can now be monitored and controlled from a single location. For every Nodexon Security Gateway series, the cloud service is a free cloud-based administration platform. There is no need to install any hardware or servers on the customer's premises. Device monitoring, configuration changes, and firmware administration can all be done quickly, anywhere, and at any time.



Cloud Managed Security Gateway NX-SG Series



Intuitive Mobile App

Apart from accessing the cloud administration dashboard from a workstation, Nodexon offers a custom-made Mobile App that you can download from Google Play and Apple Appstore to administer Security Gateway at your fingertips. You may now use Security Gateway even if you are not in front of your computer.

Mobile App Provisioning for Dummy

For SME clients, Nodexon offers a unique Mobile App Dummy Provisioning for simplicity of provisioning. Without any PC setup or cable installation, the user may finish the Gateway basic setup with Internet access in less than 3 minutes.

App Caching for Download Acceleration

The files will download straight from Nodexon SG Cache without going over the Internet, thanks to SG Gateway's unique Caching technology for any media files resources and Mobile App (Android APK). The function is especially useful in situations where a large number of similar files must be downloaded in a short period of time, such as when downloading games, mobile apps, or system patches, but the internet connection speed is insufficient or expensive.

Shopping malls, retail chains, F&B, airports, and metro companies having their own mobile app for O2O business, membership marketing, and value-added service are among the most popular applications. During busy hours, guests and visitors will often download the same Mobile App, and extended download times are to be expected due to Internet or server-side bottleneck difficulties.

Built-in Internet Audit Log Storage

The capacity to log events and take actions based on those events is at the heart of most IT network security devices. The Nodexon SME Security Gateway allows for detailed logging of both what has occurred and what is now occurring on the device. A 1TB hard drive installed locally offers enough capacity to retain all of the essential audit logging records. It prolongs the logging retention time before exporting it to an external logging server.



Cloud Managed Security Gateway NX-SG Series



SPECIFICATIONS	NX-SG3750	NX-SG3730
Performance	6000Mbps (1518 bytes) 3725Mbps (512bytes) 800Mbps (64 bytes)	4000Mbps (1518 bytes) 2610Mbps (512bytes) 622Mbps (64 bytes)
CPU	Multi-core MIPS	
WAN Ports	Upto 6	
Flash	8M SPIFLASH	
Concurrent Session	600,000	300,000
Memory	2G	
Hard Disk	Standard 1TB	
Recommended Concurrent User	2000	1000
Portal Authentication Capacity	1500 (Max Concurrent Users)	1000 (Max Concurrent Users)
Seamless Authentication (Portal)	Support	
App Caching	Support	
Portal Authentication Type	Username/Password Auth (Local, Windows-based AD/LDAP Integration) Oneclick Authentication; Guest Voucher (Ruijie Cloud required)	
Cache Capacity	100GB	N/A
Cache Resources	Windows System Patches	
Network Protocol	Support TCP/IP protocols, including IP, ICMP, TCP, UDP, etc. Support multiple routing protocols, including static routing, RIP (V1 / V2) and OSPF Support DHCP Relay and DHCP Server Support PPPoE Client Support NAT and multiple NAT ALG including FTP, H.323, DNS, etc. Support ARP, trusted ARP, proxy ARP, etc. Support Ping and Traceroute fault detection	
Application Visibility	Support self-developed 43 types of applications/ more than 120 application features, customizable protocol identification: P2P: BitTorrent, eMule, Thunder, EDONKEY, FlashGet & etc. Multimedia: YouTube, Facebook, Video, WebEx Conference & etc. Social Media: Facebook, Twitter, LinkedIn, Pinterest & etc. VOIP/Chat: Skype, Viber, Google Hangout, Jabber, Facebook Messenger & etc. Instant Messaging/Email: Gmail, MSN, QQ, YAHOO & etc. Software Update: Window, McAfee, Kaspersky, ESET & etc. Cloud-based File Collaboration: GoogleDrive, Dropbox, OneDrive, iCloud & etc. Enterprise Application: HTTP, FTP, SMTP, POP3, IMAP, Telnet, LOTUSNOTES, SQL Server, Oracle, Mysql, HTTPS & etc.	
URL Filtering	Support HTTP/HTTPS domain filtering Support remote HTTP automatic URL library upgrade Local log storage (NAT log, traffic log, URL log, etc.) Support storage on external log server	
Link Aggregation	AP, LACP, Flow balance	
WAN Load Balancing	Support(upto 2 WAN Port) Support (upto 6 WAN Port)	



Cloud Managed Security Gateway NX-SG Series



TECHNICAL SPECIFICATIONS

SPECIFICATIONS	NX-SG3750	NX-SG3730
IPsec VPN Tunne	1000	600
High Availability	VRRP,RIP(Graceful Restart),OSPF(Graceful Restart)	
Network Security	Anti-ARP Spoofing Defense against malicious attacks from internal and external networks Support secure address binding Block WAN Ping Prevent Port Scan Attack Prevent Fragmentation Attack Prevent ICMP Flood Attack Prevent Teardrop Attack Prevent Ping of Death Attack Prevent Land Attack Prevent Smurf / Fraggle attack Prevent SYN Flood Attack	
Packet Forwarding Rate	Up to 96Mpps	Up to 132Mpps
Layer 2 Features	Support Bridging Support LAN Port Aggregation	
Other Features	Integrate with AAA software to support multiple authentication modes	
Cloud Integration Feature	Support device health monitoring status Support centralized configuration change management & backup Support Top 10 Application/User traffic visualization Support device firmware management Support event-based alarm notification	
Service and Support	Support push advertising page Support multi-link load balancing Support remote HTTP online upgrade for signature library, software version, etc. Lifetime Free signature library upgrade	
Rack Height	1U	
Weight	4kg	
Power Supply	100-240V,50-60Hz,0.65A	
PoE Budget	NA	
Power Consumption	<25W	
Dimensions	440×200×43.6	
Operating Temperature	0°C to 40°C	
Operating Humidity	10% to 90%RH	
MTBF	>200,000 Hours	N/A

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