## NGS 5772HG   Functional specifications

| Features | Description |
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| **Threat Defense (Anti-Virus / IPS / SSL Traffic Detection)** | 1. Provide Clam AV anti-virus engine, the database is up to one million real-time updates, no annual fee<br><br>2. Built-in one year anti-virus engine<br><br>3. Provide IPS database with tens of thousands of feature codes, regularly updated and maintained<br><br>4. IPS feature database will be divided into high, medium and low according to the degree of danger<br><br>5. Capable of detecting SSL traffic |
| **Firewall protection** | 1. Actively intercept and block hacking attacks, regardless of DOS, DDOS, UDP Flood attacks |

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| | 2. QoS, providing guaranteed bandwidth, maximum bandwidth, priority |
| | 3. Can limit the amount of bandwidth used by internal source IP and external source IP |
| | 4. Provide IPv6 & IPv4 operation dual architecture |
| | 5. Equipped with Load Balance (external / internal / group) |
| | 6. Provide DNS server service and DDNS service |
| **Potential Risk Detection (Flow Analysis)** | 1. Provide abnormal IP analysis, detect session volume, upload / download traffic |
| | 2. Can notify, block and record abnormal traffic |
| | 3. Combined with the switch, you can set the intranet collaborative defense and POE |

scheduling settings

4. Stop ARP spoofing

5. Provide switch topology

| Mail Security Management | 1. Provide multiple layers of spam filtering mechanisms, including Bayesian filtering, automatic learning, greylisting, fingerprint recognition, black and white lists, and more.<br><br>2. Provide message body filtering and spam feature filtering<br><br>3. Spam learning sharing<br><br>4. Provide mail audit filtering settings, advanced settings and filtering quarantine.<br><br>5. Provide client-side spam search Web interface<br><br>6. All incoming and outgoing letters can be audited, and quarantine / delete / IP block / |
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| | copy copy operations can be performed.<br><br>7. Provide mail record query |
| **App & Database** | 1. Provide multiple types of application control, support P2P software / VPN and remote control / audio and video service and VOIP / network service / data sharing and storage / website service / social network / instant messaging / system and update / news media / Shopping Auctions / Entertainment & Arts / Sports & Travel / Diet / Financial Insurance / Gambling & Porn / Games & More<br><br>2. Managers can control by themselves through Policy<br><br>3. Built-in one-year application control database update |

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| **Malicious URL Filtering (URL & Database)** | 1. Provide URL filtering conditions and database control |
| | 2. Can set URL filtering rules by yourself |
| | 3. URL blacklist and whitelist, system administrators can control with full URL function and keywords. |
| | 4. Built-in URL blacklist database update for one year |
| **User Identification (Radius)** | 1. Provide native and integrated POP3, Radius, AD |
| | 2. Customizable user groups |
| | 3. Implement network access policy control |
| | 4. Provide relevant authentication records and authentication connection status |
| **Online Record (Content Record)** | 1. Record all incoming and outgoing mail |
| | 2. Email record format is eml file |

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| | 3. Web browsing history |
| **Load balance** | 1. Create a continuous network environment |
| | 2. Provide Outbound / Inbound load balancing |
| | 3. Provide load balancing mode of automatic allocation, manual allocation, allocation according to source IP and destination IP |
| | 4. Built-in Smart DNS Server |
| **VPN secure connection** | 1. Support Windows VPN Client |
| | 2. Support IPSec Tunnel, and can control Server and Client |
| | 3. Support IPSec, PPTP, L2TP VPN, SSL VPN secure connection and record |
| | 4. Can control VPN connection, and support VPN backup, Auto VPN |

| Mode of operation | Routing、NAT |
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| **Threat Intelligence Center and Logs** | 1. Threat Intelligence Center provides commonly used threat statistics, APP analysis, email analysis charts, IPS analysis, WEB analysis, defense analysis, real-time dynamic session analysis and reports.<br>2. Provide multiple logs, such as login / logout, installation wizard, system network settings, regulations and targets, network services, advanced protection, IPS, mail management, content logging, VPN, etc. and detailed log search system.<br>3. For debugging analysis, evaluation of system performance, and proof and tracing basis when illegally invaded |
| **Virtual Server** | Supports virtual servers, and passes all |

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| | traffic from one port to another port without any switches or routing. |
| **HA dual machine backup** | Also supports dual-machine backup HA service mechanism |
| **CMS Central Management** | 1. Manage multiple firewalls and AP devices<br><br>2. Support CMS Server & Client<br><br>3. Provide real-time monitoring, maintenance and management |
| **Electronic whiteboard** | Equivalent to an electronic bulletin board, which is conducive to the use of the Internet to publicize the real-time policy of all employees |
| **Network detection tool** | Provides Ping, Trace Route, DNS Query, Port Scan, IP Route, Interface Information, Wake Up, SNMP, etc. |
| **System Management** | 1. Hardware CPU service interrupt setting |

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| | 2. Provide HTTPS, HTTPS web management |
| | 3. Interface provides traditional, simplified Chinese and English languages |
| | 4. Provide system backup, firmware upgrade, automatic backup, firmware download records |
| | 5. With restart system and shutdown function |
| | 6. UPS uninterruptible power system |
| | 7. With VLAN 802.1Q function |
| | 8. Support DDNS service, DNS server, SNMP service |
| | 9. Support remote recording server |
| | 10. Support DHCP Client & Server |
| **other** | 1. Can be used as SDN equipment, the interface can be customized into multiple |

zones.

2. Administrator authority control

3. Timed hard drive detection and repair

4. LCM display board

5. With LAN bypass