

SECURE WEB GATEWAY (SWG+)

WHY YOU NEED SECURE WEB GATEWAY

A web gateway is the front door to a business and in today's cybersecurity landscape, web-based threats are growing in number and sophistication. Malware, ransomware, distributed denial-of-service (DDoS) attacks, email fraud, cloud account compromise are just a few of the threats lurking outside the front door. Mobile workers, cloud applications and hybrid workplaces further complicate this landscape as the network perimeter is no longer well defined. Quite literally, the next attack can come from anywhere!

Additionally, compliance frameworks and cybersecurity insurance are making effective security measures essential to the health of a business. But not all cybersecurity measures are created equally. In today's environment, businesses need:

- Comprehensive security that prevents all types of attacks
- The latest threat intelligence to recognize attacks when they happen
- 24x7x365 monitoring of your network with real time security updates
- A security response center ready to act when attacks do occur

WHY CHOOSE NETWORK BOX USA SECURE WEB GATEWAY (SWG+)

Network Box USA's Secure Web Gateway (SWG+) solution, a key component of Edge Defense, is a comprehensive next-generation managed firewall bundle, purpose built for today's distributed businesses and remote workforce. It includes FW+ (Firewall, IPS, VPN), web browsing protection modules (*anti-malware for files and URLs*), HTTP and HTTPS, content filtering, policy enforcement, application filtering and more, ensuring businesses are fully protected from advanced threats.

The Network Box USA next generation firewall is fully integrated with:

- IPS/IDS (Intrusion Prevention System and Intrusion Detection System)
- VPN (Virtual Private Network) with the latest encryption technologies
- A sophisticated routing system, which supports several dynamic routing protocols
- IPv4/IPv6 Translation

SWG+ IS POWERED BY NETWORK BOX USA:



**BEST-IN-CLASS THREAT
INTELLIGENCE**

**ZERO-DAY THREAT
PROTECTION**



**SELF-OPERATED
SECURITY RESPONSE CENTER**

3 ISO Certifications
PCI DSS 3.2 attestation
70+ threat intelligence partners



**FULLY STAFFED
SECURITY OPERATIONS CENTER**

UNIFIED MANAGEMENT GUI

Network Box USA Secure Web Gateway (SWG+) Protects Your Network

A COMPLEX CYBERSECURITY ENVIRONMENT REQUIRES A ROBUST CYBERSECURITY SOLUTION

SWG+ FEATURES

✓ Next-Generation Firewall

The next-generation firewall protects your environment from network-level attacks, including protocol anomalies, connection flooding, denial-of-service, and SYN flooding, and packet fragmentation evasion techniques. Blackhole, fingerprint obfuscation and decoy technologies further shield protected networks from malicious probes. The Network Box firewall is tightly integrated with 3 intrusion prevention systems; this deep packet inspection is also known as a next-generation firewall.

✓ Content Filtering

Content filtering prevents users from accessing unwanted websites, and scans for viruses in allowed URLs. This module also scans within HTTPS and can be integrated with AD to apply rules based on AD groups and users. It leverages an award-winning categorization database that uses 18 anti-malware engines to scan web access and protect users from attacks. It is also integrated with a Layer 7 IPS which monitors egress traffic for attempted access to known dangerous sites.

✓ Powerful Intrusion Detection and Prevention

The IPS/IDS (*Intrusion Prevention System and Intrusion Detection System*) is a multilayered module that offers powerful rules languages, extensive stream, and protocol decoders without impacting performance. It operates in four modes that work together in combination with the core routing and firewall functions to provide a highly flexible, modular approach to the problem of securing network traffic. A specialized module (*Infected LAN IPS*) monitors egress traffic at layer 3 and layer 7 for attempted accesses to known malware sites or IP addresses.

✓ VPN Technology

The VPN (*Virtual Private Network*) module offers secure site-to-site, site-to-remote, and "road warrior" connections coupled with the latest encryption technologies. It is fully integrated with the Network Box firewall and router to provide excellent policy control. For instance, policies can be applied to encrypted vs unencrypted traffic and specific endpoints. For the SSL VPN module, MFA is available, and recommended, and access can be controlled via integration with your network login service (*AD, Radius or 365*).

✓ Advanced Routing

Our sophisticated routing system supports several dynamic routing protocols, such as BGP and policy-based routing.

✓ IPv4/IPv6 Translation

SWG+ has built in full IPv4/IPv6 translation capabilities. You can set up your servers with a public IPv6 IP address without having to change any settings on the servers themselves.



POWERED BY NETWORK BOX USA.
THAT'S CYBERSECURITY DONE RIGHT.

NETWORK BOX USA SWG+ DATASHEET

SECURE WEB GATEWAY (SWG+) SERVICE INCLUDES:

- ✓ Firewall: stateful inspection, packet filtering, NAT, advanced routing
- ✓ Intrusion Prevention Systems (IPS)
 - Frontline IPS
 - Inline IPS
 - Infected LAN
- ✓ DDoS Protection (Layer 3)
- ✓ VPN (IPsec, PPTP, SSL)
- ✓ Optional DNS Server
- ✓ Application Identification
- ✓ IPv4-IPv6 bi-directional translation (Layer 3 to Layer 7)
- ✓ Proxy for Web Traffic
- ✓ Anti-malware Protection for HTTP, HTTPS, and FTP
- ✓ URL Antivirus Scanning
- ✓ Quality of Service (Layer 3 and Layer 7)
- ✓ Network Box Antivirus (includes Z-Scan)
- ✓ Kaspersky Labs or Bitdefender Antivirus protection (Layer 3)
- ✓ S-Scan (Network Box's Content Filtering System)
- ✓ Policy Enforcement (IP-based, Entity-Based, LDAP-based)
- ✓ Customizable Log Portal and Reporting Modules
- ✓ 24x7x365 Monitoring and PUSH Updates

ADDITIONAL SERVICES INCLUDED:

- ✓ Standard SLA
- ✓ 24/7 SOC
- ✓ SIEM – 90 days free for NB USA appliances with 90 day rolling access
- ✓ Security Response Center (SRC)
 - 3 ISO certifications
 - PCI DSS 3.2 attestation
 - 70+ threat intelligence partners
- ✓ Threat Intelligence - named top 10 threat intelligence providers to Microsoft

