SECURE SD-WAN

Secure Software-Defined Wide Area Network

WHY YOU NEED
SECURE SD-WAN

Secure Software-Defined WAN (SD-WAN) is the solution to today's cloud-centric world. It helps businesses:

- Lower costs and maximize resource usage for multisite deployments
- Improve the user experience through efficient delivery and optimized performance over available bandwidth
- Strengthen security posture with an integrated approach to threat protection

WHY CHOOSE NETWORK BOX USA
SECURE SD-WAN

The Network Box USA (NB USA) Secure SD-WAN solution, a key component of Edge Defense, optimizes network traffic and allows businesses to securely connect between HQ, branch and home offices, mobile worker locations, data centers and cloud services, regardless of network connection type. Secure SD-WAN also allows businesses to decouple the physical network from the management and operation of the Wide Area Network in a flexible, network-agnostic manner.

Our Secure SD-WAN further benefits distributed businesses through :

- Link monitoring and automatic switching between alternative network paths
- Quality of Service traffic shaping
- Application optimization
- Online traffic engineering
- Virtual and on-premises deployment options
- Highest levels of security standards
- Full routing and NAT capability

SECURE SD-WAN 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 SD-WAN Optimizes Your Network Traffic and Connections

SECURE SD-WAN IS DYNAMIC, SCRIPTABLE, AND FULLY SCALABLE TO SUPPORT COMPLEX BUSINESS REQUIREMENTS

SECURE SD-WAN FEATURES

✓ Resilience

Secure SD-WAN provides link monitoring and automatic switching between alternative network paths. Whatever the physical network type, Secure SD-WAN unifies them and provides each a unique network interface. It then provides availability monitoring on either the gateway (*monitoring the link and its next hop*), or the link path (*actively monitoring along the path, including network connectivity to the destination*). This means detection of both failures of the immediate link itself, as well as a routing or other connectivity issues further out in the network, is possible.

✓ Quality of Service

Quality of Service is applied at several levels using full classification engines (*which consider protocol, port, addresses, or the application itself*) or standard source and destination routing rules. For inbound traffic, where bandwidth demanded by a remote application cannot be directly controlled, the option of traffic policing (*a means of enforcing bandwidth limits to trigger TCP/IP congestion control algorithms to slow down the sender)* is available.

✓ Application Optimization

With many applications not designed to operate over wide area networks, latency is what typically limits performance. Network Box USA proxies can intercept connections and improve TCP/IP network traffic flows using large network buffers and network stacks optimized for wide area network traffic.

✓ Online Traffic Engineering

Operating network architectures can be complex and challenging to control over multiple network connections. Secure SD-WAN uses automatic link monitoring and dynamic routing protocols to simplify this.

✓ Deployment Options

Secure SD-WAN systems are deployed using a combination of on-premises and virtual appliances, both in data centers and in the cloud. This allows for the highest level of performance and most flexible deployment options. Additionally, we support virtual devices with every provider. And with hybrid deployments with devices in both Azure and AWS clouds, together with on-premises devices, Secure SD-WAN is the most flexible in the market today.

✓ Security

Secure SD-WAN offers both industry-standard IPSec and SSL VPN capabilities. All these support authentication, encryption, and tamper protection with the highest levels of security standards. Firewall, IPS inline, IPS frontline and IPS Infected LAN are used to augment the security of the SD-WAN device. Furthermore, Secure SD-Wan is terminated onto a virtual hub, which provides the function of Secure Web Gateway to secure the company's traffic and replace onsite UTM devices.

✓ Networking

Secure SD-Wan devices have full routing and NAT capability, to improve the flexibility of the configuration and traffic control.

NETWORK BOX USA SECURE SD-WAN DATASHEET

SECURE SD-WAN SERVICE INCLUDES:

✓ Firewall: stateful inspection, packet filtering, NAT, advanced routing

✓ Intrusion Prevention Systems (IPS)

- Frontline IPS
- Inline IPS
- Infected LAN

✓ DDoS Protection (Layer 3)

✓ Application Identification (Layer 3)

✓ VPN (IPsec, PPTP, SSL)

✓ DHCP Server

✓ QoS

✓ Optional DNS Server

✓ IPv4-IPv6 bi-directional translation (Layer 3)

✓ Customizable Log Portal and Reporting Modules

✓ 24x7x365 Monitoring and PUSH Updates

ADDITIONAL SERVICES INCLUDED:

✓ Standard SLA

✓ 24/7 SOC

✓ SIEM – 90 days free for NWB appliances

✓ 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