

BorderGuard® 8500

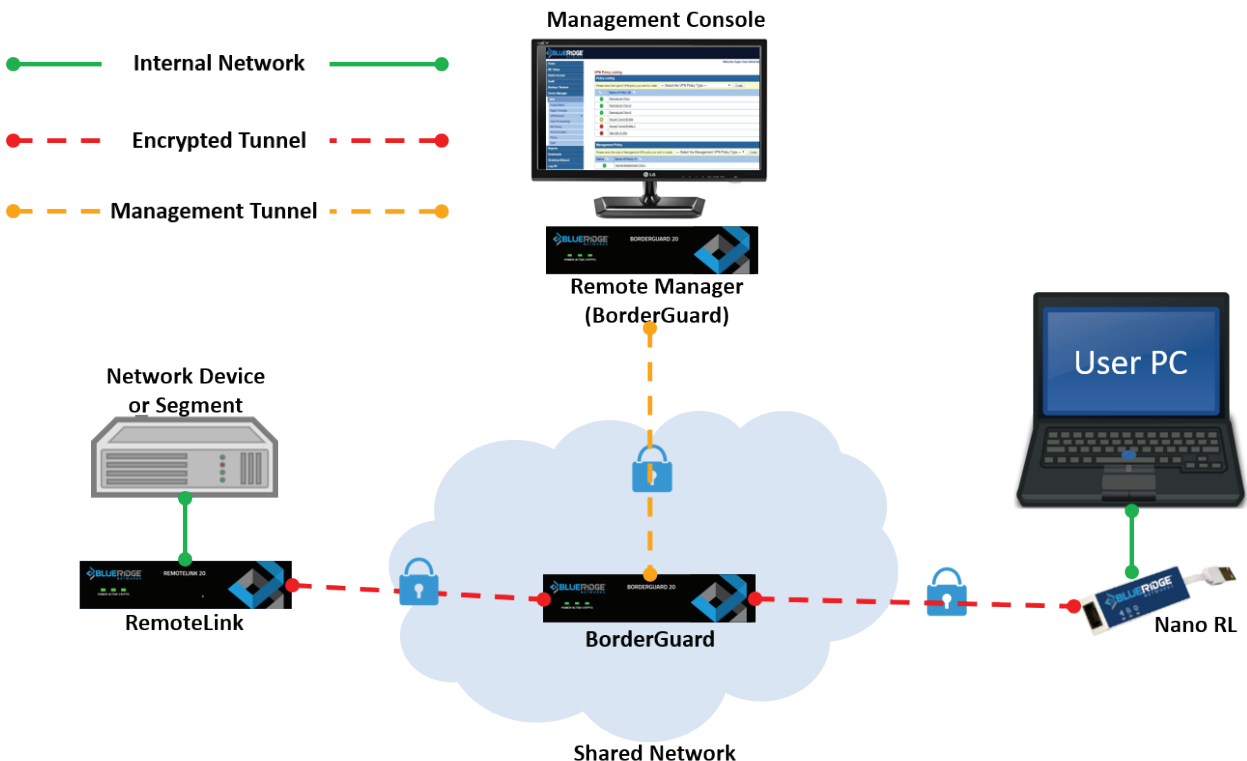


BorderGuard 8500 is a one unit (1U) rack security device that acts as a secure gateway for a data center or campus. It can also function as an aggregation point or hub for all edge-device traffic. It enables peer-to-peer encrypted and multi-point connectivity for systems anywhere in the world.

Using time-tested and proven technology, the BorderGuard has protected high-value target organizations around the world for 20+ years with zero reported security breaches and will continue to do so in the future.

How It Works

Security Policies, defined using the Management System, are delivered to each security device. Once the BorderGuard and RemoteLink have completed mandatory authentication, between each other, secure tunnels are established based on the security policies. The encrypted tunnel allows the network segment behind a BorderGuard to access/communicate with the network segment behind the RemoteLink. Devices or segments internal to the protected network cannot reach out to the internet and internet devices cannot reach in. Devices see nothing except other internal devices.



BorderGuard[®] 8500

Specifications

Encryption Algorithms

- AES-CBC-128
- AES-CBC-256,
- AES-GCM-128
- AES-GCM-256

Data Integrity

- HMAC-SHA-256

VLAN Support

- IEEE 802.1Q
- IEEE 802.1ad

Public Key Cryptography

- RSA and Diffie-Hellman
- 1024-, 2048-, 4096-bit RSA keys

Physical Dimensions

- Height: 1.5"/38.11 mm
- Width: 18.75"/476.25 mm
- Depth: 27"/685.8 mm
- Weight: 38.9 lbs/17.64 kg
- Rack Units: 1U

Interfaces

- 2 - 10 GbE ports
- 2 - 1 GbE ports

Power Requirements

- 450 W Redundant Power Supply

Operating Environment

- Temperature 50° F to 95° F
(10° to 35° C)
- Humidity 10% to 80% @ 40° C
(relative humidity with 84.2° F max
dew point)

Maximum AES Throughput

- 1 Gbps

