

DATA SHEET

BORDERGUARD[®] 15

Overview

Data security challenges facing today's enterprises become more intense by the day. Scaling to larger and more geographically distributed topologies, cybersecurity solutions must accommodate more diverse application and communication protocols, new data center and cloud computing complexities, server and client computer virtualization, and ever-changing compartmentalization requirements for individuals, groups, contractors, and partners.

Serving as the hub to which Remotelink and EdgeGuard clients gain access, BorderGuard 15 systems have protected high-value target organizations around the world for more than 20 years with zero reported security breaches or vulnerabilities.

Beyond its proven security, BorderGuard protection is known for reliability, enhanced by total path redundancy and automatic failover for peace of mind. BorderGuard systems have earned numerous certifications and equipment validations that include JITC, TIC, Common Criteria, FIPS 140-2, HIPAA, and DoD SPOCK for use in highly controlled environments.

All this must be facilitated by highly available, fault tolerant architectures for continuous operations and disaster recovery. And finally, organizations need easy-to-use solutions that reduce their overall IT operations costs. The BorderGuard 15 combines new technologies in a small, desktop form factor. By merging the time-tested and proven technology with the 'new' BorderGuard 15, devices will secure high-value target organizations without incident for decades to come.

The BorderGuard[®] 15 at a Glance

- Optimized for defense-in-depth overlay of existing systems that may be vulnerable to SSL/TLS.
- Because BorderGuard 15 is a comprehensive and self-contained secure communications system, it's ideal for isolation of Industrial Control System networks.
- Supports reliable secure connections over long-latency channels such as double-hop VSAT communications.
- The BorderGuard 15 system includes a public-key crypto-system that supports mutual authentication of all connections.
- Specifically designed to support secure extranet access among business partners without the necessity of using shared secrets (passwords) because the partners do not share a common credentialing system.

BorderGuard 15 Specification

Encryption Algorithms

- AES, Triple-DES

Data Integrity

- HMAC SHA-1, SHA-256

VLAN Support

- IEEE 802.1Q

Public Key Cryptography

- RSA and Diffie-Hellman
- 512, 1024, 2048, 4096 bit RSA Keys

Physical Dimensions

- Height: 1.2 in. (3.05 cm)
- Width: 6.2 in. (15.75 cm)
- Depth: 6.6 in. (16.76 cm)
- Weight: 0.9 lbs. (0.41 kg)

Power Requirements

- 12V 2A Inline AC Adapter

Operating Environment

- Temperature: 32° to 104° (0° to 40° C)
- Humidity: 0% to 90% @ 40° (non-condensing)

Model	Ports	Max AES 256 Throughput	Max RSA Keys	Concurrent Sessions
BorderGuard 15	(3) Gigabit Ethernet	75 Mbps	4096	500