



# BorderGuard® 15

*Enable Next Generation Security Solutions  
with Desktop Servers*

## BorderGuards Offer Time-Tested Security ...

BorderGuard systems have been protecting high-value target organizations around the world for over 15 years without any reported security breaches or vulnerabilities. In addition to proven security, BorderGuard (BG) protection is known for reliability - enhanced by total path redundancy and automatic failover for peace of mind. Over the years, 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.

## ... To Meet New Enterprise Challenges

Greater challenges face today's enterprises. Organizations must scale to larger and more geographically distributed topologies. They 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. 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. Blue Ridge engineered an all-new BorderGuard generation to answer these challenges. The BorderGuard 15 combines new technologies in a small, desktop form factor. By merging the 'time-proven' with the 'new', Blue Ridge ensures that BorderGuard devices will secure high-value target organizations without incident for decades to come.

- Small (6.2 in x 6.6 in) and Lightweight (under 1 lb)
- Supports RemoteLink, EdgeGuard and BG Client Solutions
- SE-IKE
- Built-in RSA PKI
- Centrally Managed by the BG Management Console
- Backwards Interoperable with older BorderGuard Appliances
- Supports Pre-placed Public Key Two-Factor Authentication
- Ethernet Frame Encapsulation and Encryption (True Layer 2 VPN)
- Supports Layer 2 Site-to-Site Architecture
  - Thousands of Locations
  - Carrier Independent
  - Low Total Cost of Ownership
- Communications Media and Protocol Agnostic (wire, wireless, satellite, etc)

## ... With New Applications.

Example applications for this BorderGuard 15 platform include:

- Optimized for defense in depth overlay of existing systems that may be vulnerable to SSL/TLS vulnerabilities.
- Because the BorderGuard system is a comprehensive and self-contained secure communications system, the new BG15 is ideal for isolation of Industrial Control System networks.
- The BorderGuard system includes a public-key crypto-system that supports mutual authentication of all connections. It is 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.
- Supports reliable secure connections over long-latency channels such as double-hop VSAT communications.

# BORDERGUARD 15 SPECIFICATIONS

<p><b>ENCRYPTION ALGORITHMS</b></p> <ul style="list-style-type: none"> <li>• AES, Triple-DES</li> </ul>	<p><b>PUBLIC KEY CRYPTOGRAPHY</b></p> <ul style="list-style-type: none"> <li>• RSA and Diffie-Hellman</li> <li>• 512, 1024, 2048, 4096 bit RSA Keys</li> </ul>	<p><b>POWER REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>• 12V 2A Inline AC Adapter</li> </ul>
<p><b>DATA INTEGRITY</b></p> <ul style="list-style-type: none"> <li>• HMAC SHA-1, SHA-256</li> </ul>	<p><b>PHYSICAL DIMENSIONS</b></p> <ul style="list-style-type: none"> <li>• Height: 1.2 in. (3.05 cm)</li> <li>• Width: 6.2 in. (15.75 cm)</li> <li>• Depth: 6.6 in. (16.76 cm)</li> <li>• Weight: 0.9 lbs. (0.41 kg)</li> </ul>	<p><b>OPERATING ENVIRONMENT</b></p> <ul style="list-style-type: none"> <li>• Temperature: 32° to 104° F (0° to 40° C)</li> <li>• Humidity: 0% to 90% @ 40° (non-condensing)</li> </ul>
<p><b>VLAN SUPPORT</b></p> <ul style="list-style-type: none"> <li>• IEEE 802.1Q</li> </ul>		

MODEL	PORTS	MAX AES 256 THROUGHPUT	MAX RSA KEYS	CONCURRENT SESSIONS
BorderGuard 15	(3) Gigabit Ethernet	75 Mbps	4096	500