



BorderGuard® 6000

Enable Secure Communications

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 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, including JITC, TIC, Common Criteria, FIPS 140-2, HIPAA, and DoD SPOCK for use in highly controlled environments.

... And Provide New Types of Interoperability

To meet the growing needs of federal enterprises, solutions based on the BorderGuard 6000 have expanded PKI options. This versatile BorderGuard includes its own built-in PKI, but it can also leverage your existing public key infrastructure (PKI), including X.509 certificate authorities as well as Online Certificate Status Protocol (OCSP) and Certificate Revocation List (CRL) checking. Administrators are relieved of the tedious task of manually configuring certificate authority hierarchies by the BorderGuard system's automatic certificate path discovery and path validation mechanisms. Systems based on the BorderGuard 6000 are compliant with the important Federal Government directive HSPD-12 and are compatible with any PKCS#11 smart card.

BorderGuard 6000 systems support the IEEE 802.1Q networking standard to enable segmented networks through Virtual LAN (VLAN) tagging. This system capability can be further enhanced by using BorderGuard RemoteLinks at remote sites where the RLs are configured to stamp their packets with assigned VLAN tags. The BorderGuard will not corrupt these tags, but will pass the packets to a VLAN-aware network.

- Supports RemoteLink, EdgeGuard and BG Client Solutions
- Secures Wired and Wireless VPN Communications
- DoD PKI / Standards-Based Authentication -- Supports X.509, OCSP, CRL
- HSPD-12 Compliant Two-Factor Authentication
- Centrally Managed by BorderGuard Management Console
- Backwards Interoperable with older BorderGuard Appliances
- PKCS#11 Smart Card Compatible
- Red List Revocation Capability
- IEEE 802.1Q VLAN Support
- Hardware Accelerated AES Encryption
- Extended RSA Keys
- Communications Media and Protocol Agnostic (wire, wireless, satellite, etc)
- Built-in PKI

... With Fault Tolerant Flexibility

The BorderGuard 6000 family provides a choice of platforms to support geographically and technologically diverse organizations. Multiple systems can be grouped to support load spreading options as well as fault tolerant configurations. The fault tolerant options allow BorderGuards to support a variety of geographically separated solutions for high availability and business continuity. All this is facilitated by highly available, fault tolerant system architectures for continuous operations and disaster recovery.

The BorderGuard 6000 combines new technologies with the best features of its predecessors. It is backwards compatible with older BorderGuard models to allow organizations to flexibly transition to solutions based on the newer models.

... Easy to Manage

The BorderGuard Management Console (MC) is a pre-configured appliance that drops into your network, centrally and securely managing all site-to-site and remote access connections. The MC's easy to use browser-based interface supports role based administration, provisioning options and collection of audit logs. The comprehensive audit facility collects log data across all deployed systems to support live data review as well as off-line trends analysis, resource modeling and report generation. In addition, step-by-step wizards are available as administrator training tools.

BORDERGUARD 6000 SPECIFICATIONS

<p>ENCRYPTION ALGORITHMS</p> <ul style="list-style-type: none"> • AES, Triple-DES <p>DATA INTEGRITY</p> <ul style="list-style-type: none"> • HMAC SHA-1, SHA-256 <p>PUBLIC KEY CRYPTOGRAPHY</p> <ul style="list-style-type: none"> • RSA and Diffie-Hellman • 512,1024,2048,4096 RSA Keys • DoD PKI and Standards-Based Authentication – X.509, OCSP, CRL 	<p>VLAN SUPPORT</p> <ul style="list-style-type: none"> • IEEE 802.1Q <p>PHYSICAL DIMENSIONS</p> <ul style="list-style-type: none"> • Height: 1.74 in. (4.42 cm) • Width: 17.0 in. (43.2 cm) • Depth: 12.0 in. (30.5 cm) • Weight: 8.2 lbs. (3.72 kg) • Rack units: 1U 	<p>POWER REQUIREMENTS</p> <ul style="list-style-type: none"> • 100-120 VAC / 200-240 VAC • 2 amps maximum; 50/60 Hz <p>OPERATING ENVIRONMENT</p> <ul style="list-style-type: none"> • Temperature: 5° to 45° C (41° to 113° F) • Humidity: 10% to 90% (non-condensing) • Altitude: -150 to +10,000 feet
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MODEL	10/100/1000 ETHERNET PORTS	10/100 ETHERNET PORTS	MAX AES THROUGHPUT (MB/S)	MAX CONCURRENT TUNNELS	MAX RSA KEY
6100	0	2	20	150	2048
6200	0	3	45	300	2048
6400	0	3	100	600	2048
6500	2	1	200	1000	4096
6600	2	1	400	1500	4096