



LOCKED DOWN. FREED UP.

# BORDERGUARD 5000

## HIGH ASSURANCE VPN APPLIANCE WITH INTEGRATED PKI

The BorderGuard™ 5000 family offers a wide range of capacity models while preserving backwards compatibility with previous models of the highly regarded BorderGuard VPN product line. Top-end models offer strong cryptographic performance measured in hundreds of megabits per second. Gigabit Ethernet interfaces, available with some models, provide for physical layer compatibility in almost any network where high-speed VPN features are required.

The BorderGuard 5000 series builds upon its reputation for ironclad security and reliability. Its predecessors have been deployed in support of the most demanding missions around the world without a single security breach. Additionally, an extended version of Virtual Router Redundancy Protocol (VRRP) is available for the BorderGuard 5000 providing both chassis and total path redundancy with automatic failover.

Used with the BorderGuard Management Console, it can deliver rapid VPN deployment and reduced total cost of operation. The Management Console offers GUI drag and drop automation of VPN definition, BorderGuard setup, public-key exchange, and on-going configuration management. The VPN administrator has access to a real-time, central, secure management interface that displays the status of the network.

Like previous BorderGuard models, the BorderGuard 5000 includes a built-in RSA public-key infrastructure (PKI) that will generate, exchange, and use digital certificates for all BorderGuard VPN authentication. Each BorderGuard has a unique non-replicable RSA public-key identity that provides VPN connection authentication far stronger than the shared secret authentication offered by other VPN products. Since the PKI is included, there is no need for stand-alone PKI or digital certificate services. The BorderGuard 5500 and 5600 models offer an extended RSA key length of 4,096 bits.

The BorderGuard 5000 supports an optional, removable USB-based SmartCard cryptographically mated to the chassis. Removing the SmartCard disables the chassis boot firmware. This feature adds an additional security option for “safeing” units in transit or when unattended.

- Strong Public Key Authentication
- Built-in Digital Certificates
- Secure Pocket PC Client
- Powerful and Versatile Filtering/Redirects
- Hardware Accelerated AES Encryption
- Common-Criteria Certified Secure Central Management
- Compact Rack Mountable Design - 1U
- Auto-Sensing Ports 10/100/1000 Ethernet
- Extensive Audit Capability
- Redundant Configurations

## BORDERGUARD 5000 SERIES SPECIFICATIONS

### CRYPTOGRAPHY

Data Privacy Facility (DPF)

### ENCRYPTION ALGORITHMS

Data Encryption Standard (DES)

Triple DES

IDEA

AES 128, 192, 256

### DATA INTEGRITY

MD5

HMAC SHA-1

### PUBLIC KEY CRYPTOGRAPHY

RSA and Diffie-Hellman

- 512, 1024 bit keys
- 2048, 4096 bit keys (Extended RSA)

### VPN CLIENT PLATFORMS SUPPORTED

Pocket PC (128 MB RAM)

Secure Thin Client

Windows XP (SP1 and later)

Windows 2000 (SP3 and later)

### NETWORK MANAGEMENT

SNMP MIB II

Frame Relay MIB

Bridge MIB

### MANAGEMENT CONSOLE SYSTEM REQUIREMENT

128 MB RAM

20 MB hard drive space

Windows 2000 Server, Windows NT Server, Windows NT Workstation OS v4 with SP4 or above

Microsoft Internet Services or Peer Web Services

### ROUTING

RIP

OSPF

### PHYSICAL DIMENSIONS

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.)

### POWER REQUIREMENTS

100-120 VAC / 200-240 VAC

2 amps maximum; 50/60 Hz

### OPERATING ENVIRONMENT

Temperature: 5° to 45° C (41° to 113° F)

Humidity: 10% to 90% (non-condensing)

Altitude: -150 to +10,000 feet

MODEL	10/100 ETHERNET PORTS	10/100/1000 ETHERNET PORTS	MAXIMUM AES256 THROUGHPUT (MBPS)	MAXIMUM CONCURRENT TUNNELS	MAXIMUM RSA KEY
5100	2	0	20	150	2048
5200	3	0	45	300	2048
5400	3	0	100	600	2048
5500	1	2	200	1,000	4096
5600	1	2	400	1,500	4096

