

# BroadGuard®

## Firewall VPN Security Appliances

BroadGuard® is an Intel® IXP-based Firewall and VPN appliance that secures communications for small and medium business (SMB) and distributed branch offices.

BroadGuard® offers superior price performance as a complete Firewall and VPN solution with no licensing fees, no restrictions on usage and no additional software purchase required. Multiple VPN tunneling is supported in two performance categories; BBR1000 and BBR5000 offer up to 300 IPSec tunnels at 70 Mbps throughput.

BroadGuard® is a cost effective solution that combines comprehensive security features with robust network processing to assure worry free protection of business network resources. The Intel® next generation XScale Communication Processor with embedded IPSec engine achieves outstanding VPN and Firewall throughput, plus supports extensive Application Layer Gateways that enable VoIP and other business applications without compromising performance or security.

Management capabilities are extensive. By supporting rich VPN tunneling features the Firewall VPN Appliance creates secure Intranets, linking distributed office networks and allowing business staff to share resources as if on one network. Through a secure Intranet environment, each subnet is manageable from a single administrative station.

### Features and Benefits

#### Superior Price Performance

BroadGuard is built on next generation Intel® XScale Processing technology, offering superior Firewall and VPN for a higher ROI:

- No restrictions on number of users.
- No additional software or licensing to purchase.

#### Business-Class VPN

VPNC® certified IPSec engine in three performance levels supports secure business communications between branch offices with 3DES IPSec/IKE or L2TP/PPTP tunneling.

- Line speed Firewall throughput – up to 100 Mbps.
- Up to 70 Mbps 3DES VPN throughput.
- Up to 300 simultaneous IPSec/IKE tunnels supported.

#### Advanced Firewall Protection

Includes ICSA® certified Firewall to prevent unauthorized access from the Internet.

- Stateful Packet Inspection (SPI) - Multi-level policy management enables administrators to match threat.
- Denial of Service (DoS) blocking – Includes defense against 60+ DoS and DDoS patterns.
- Intrusion detection - proactive alerting and content filtering.
- NAT with ALG – Provides over 40 Application Layer Gateways to enable VPN, conferencing, VoIP, SQL and many other applications without compromising the firewall.

#### Comprehensive Management

Administrators can configure, monitor and maintain the router through local or secure remote connections.

- Administrative – Browser interface, Telnet or console.
- Fault management – Syslog, event log and alert notification.
- Access Policies - rich inbound/outbound policy management.
- Secure remote access – Telnet over VPN and SSL (HTTPS).



### Highlights

- **Superior Price Performance**  
*Reduces cost of operations*
- **VPNC® Certified Software**  
*Business-class security*
- **ICSA® Certified Firewall**  
*Reliable network protection*
- **Comprehensive Management**  
*Improved Service Levels*

# BroadGuard Appliances

**BBR1000**  
**BBR5000**

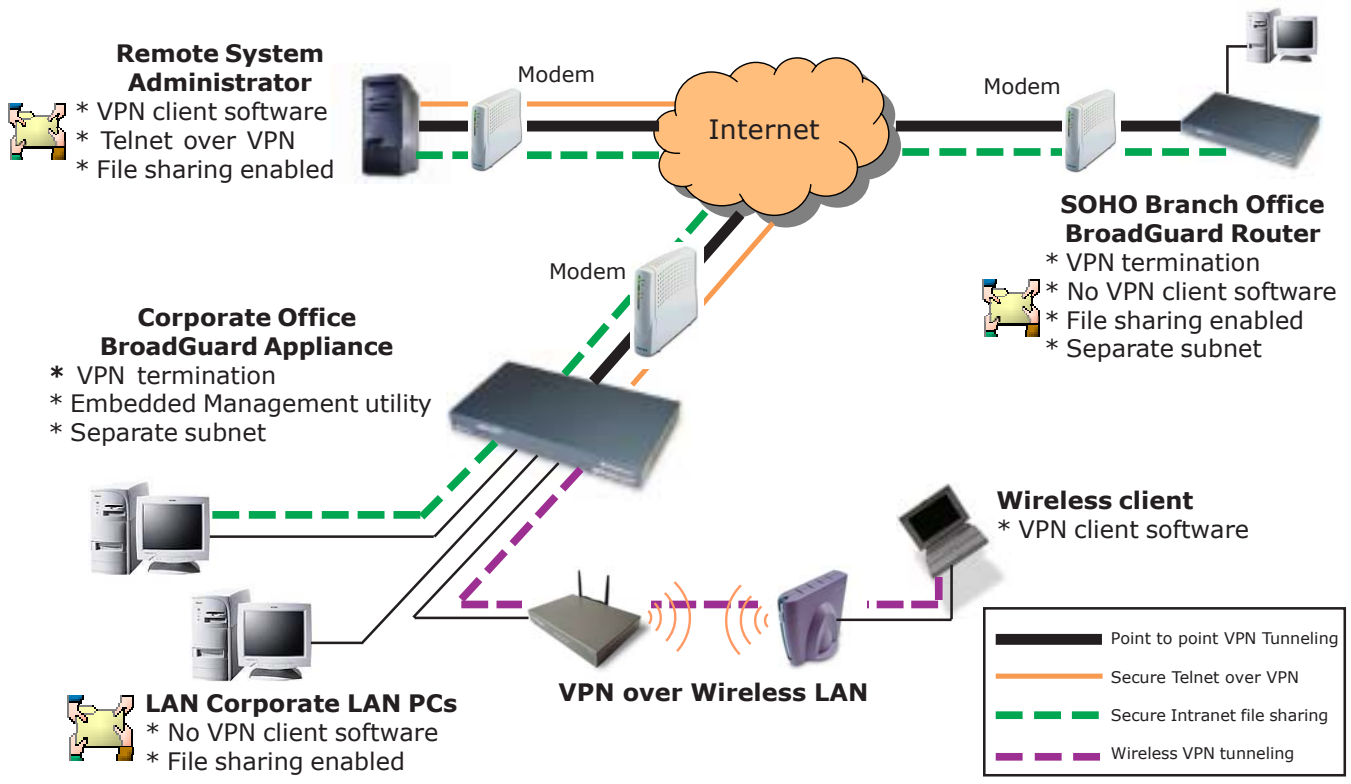
Firewall VPN Appliance  
Firewall VPN Turbo Appliance

## BroadGuard®

An innovative family of security appliances for the small and medium business that combines superior Firewall and VPN performance with comprehensive management for a higher return on investment.

Features	BBR1000	BBR5000
<b>Application</b>	<b>SMB</b>	<b>Mid</b>
<b>Processor</b>	<b>IXP425</b>	<b>IXP425</b>
Speed	<b>266MHz</b>	<b>266MHz</b>
<b>Memory</b> - MB (flash+DRAM)	<b>16 + 64</b>	<b>16 + 64</b>
<b>VPN Performance</b>		
3DES throughput	<b>10 Mbps</b>	<b>70Mbps</b>
Number of IPSec/IKE tunnels	<b>50</b>	<b>300</b>
PKI certificates	<b>20</b>	<b>100</b>
VPN engine	<b>Core based</b>	<b>Accelerator</b>
<b>Port Management</b> (future upgrades)		
Bridging (802.1d)	<b>Yes</b>	<b>Yes</b>
QoS (802.1p)	<b>Yes</b>	<b>Yes</b>
VLAN (802.1q)	<b>Yes</b>	<b>Yes</b>
<b>Fault Management</b>		
Syslog	<b>Yes</b>	<b>Yes</b>
Email alerting	<b>Yes</b>	<b>Yes</b>
Event logging	<b>Yes</b>	<b>Yes</b>

## Secure and Manageable Business Communications



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