

# SG565

## Wireless VPN/Firewall

With the adoption of wireless LANs (WLANs), people in distributed departments within medium to large organisations benefit from the ability to access information when away from a desk.

Staff can respond to requests while in the warehouse or conference room improving efficiency and customer service. This is true whether it's marketing, sales, finance or HR. The benefits of WLANs are not restricted to medium to large businesses but local data access mobility is very useful in healthcare, retail, finance, hospitality and manufacturing. Today timely and secure data transactions are critical. If inventory, patient test results, financial reports and other sensitive data are not available when and where needed, it can seriously impact business success. Today many businesses also place staff where the business is generated. Therefore mobile employees, satellite and temporary offices are very common for long and short-term projects.

### Comprehensive Security and Internet Uptime

The SG565 is well suited to protecting branch offices of medium sized enterprises as well as other sites such as gas stations, retail stores, medical clinics, hotels and so on. The SG565 enables small office networks to easily connect their wired desktop or wireless backup notebook PCs to the Internet via broadband (ADSL, cable, SHDSL, T-1 and T-2 circuits, etc.) or narrowband (modem or ISDN). Should the broadband connection fail the SG565 can fail over to a second broadband connection or the narrowband connection, ensuring high availability. By providing four separate security zones, the SG565 can support DMZs, guest networks and multiple LANs. The SG565 unifies defences to combat blended threats into a single device converging firewall (stateful-inspection), intrusion protection (based on Snort), and gateway anti-virus e-mail scanning (based on CLamAV).



### VPN capabilities for Remote Access and Multi-site Access

A remote office network can safely become part of a central office network, as the SG565 is also a cost effective VPN end point device. The SG565 includes industry-standard secure VPN access methods (IPSec, PPTP, L2TP) with hardware accelerated encryption. It is complementary to the SG710 and other SG firewall VPN appliances for medium to large scale branch office to head office VPN deployments.

#### FEATURES:

- Robust steel casing for medium enterprise and retail environments
- Full IPSec and PPTP VPN
- Intrusion Protection and Antivirus
- Network file storage and printing (USB)
- No per-user licensing or restrictions
- Wi-Fi WLAN and wired 10/100 LAN
- Highly interoperable with leading brands
- No third-party client software required

#### RECOMMENDED FOR:

- Temporary offices - complete network
- Retail, health, manufacturing sites
- Branch offices of medium enterprises
- Mobile and remote workers
- Complementary VPN end-point for other SG appliances
- Suitable for routing ADSL/Cable up to T1 & E1
- VPN up to 20Mbps (broadband & LAN-to-LAN)

Typical Deployment	Network Throughput	VPN Tunnels
WAN port + 4 port LAN, Dual-Antenna WLAN Branch Offices of Mid-Sized Enterprises	120Mbps	200

# Wireless & Security

## SG565 SPECIFICATIONS

- VPN - IPSec
  - IPSec config Wizard
  - VPNC-certified interoperability
  - Peer-to-peer (initiate and terminate)
  - ESP payload (AH manual config)
  - Supports aggressive mode
  - Dead peer detection
  - Compression (deflate / gzip type algorithm)
  - DES 56-bit, 3DES 168-bit, AES 256-bit encryption
  - Hashes HMAC - MD5 and SHA-1 authentication
  - IKE/ISAKMP Diffie-Hellman key exchange
  - Diffie-Hellman Groups (1,2,5) and Oakley Groups (14,15,16) to 4096-bits
  - X.509 certificates DER, PEM formats
  - Pre-shared secrets
  - Dynamic IP address end-points
  - Dynamic DNS IPSec support
  - Authentication up to 2048-bit for RSA key signatures
  - Multiple subnets
  - NAT traversal
  - Up to 200 IPSec tunnels
  - 20 Mbps 3DES/AES (VPN/firewall)
  - 35 Mbps 3DES/AES (VPN only)
- VPN - L2TP
  - L2TP over IPSec
  - Autonomous L2TP
  - Client: NAT, default route via L2TP
  - Server: specify client IP address range
- VPN - PPTP
  - v2 client and server
  - Pass-through mode also
  - MPPE 40 to 128-bit RC4 encryption
  - PAP/CHAP/MS CHAPv2 authentication
  - L2TP & GRE tunneling extensions
  - Up to 10 PPTP client tunnels
  - Up to 20 PPTP server tunnels
  - Up to 5 Mbps RC4 throughput
- Firewall
  - Dynamic Stateful inspection firewall
  - ICSA-certified
  - NAT - static and dynamic
  - NAT/PAT - port forwarding
  - Connection sharing
  - Intrusion Protection (Snort)
  - 120 Mbps firewall performance
  - Ant-virus e-mail scanning
    - ClamAV (V2.3 firmware)
  - Threat Containment (Nessus based)
    - Vulnerability Scan/Block
- Network
  - Traffic shaping (QoS)
  - IP aliases
  - DHCP - client and server
  - PPPoE (for ADSL support)
  - Bridging (802.1d)
  - RIP, RIPv2, OSPF
  - RAS (dial-in)
  - Dial on demand
  - Fail-over / high availability
  - DNS enhanced caching, masquerading, proxy, multiple DNS server proxying
  - 120 Mbps throughput (bi-directional)
- Management
  - Logging (local and remote)
  - NTP client and server
  - Web management
  - CLI (Telnet) management
  - Initial set-up via either static IP address or dynamic IP address (DHCP client)
  - Administration user accounts
  - RADIUS / TACACS+
- Hardware
  - Status LEDs
  - WAN port - 10/100BaseT
  - WAN port- External USB DSL modems
  - LAN ports - 4x10/100BaseT
    - DMZ, LAN zones, 2nd WAN, etc.
  - WLAN - IEEE802.11b/g Access Point
    - 802.11b:CCK, DQPSK, DBPSK
    - 802.11g:OFDM
  - Dual Dipole Antennae
  - 2.4GHz - 2.4385GHz
  - RF Power
    - 19dBm@11Mbps
    - 15dBm@54Mbps
  - Radio Sensitivity
    - 70dBm@54Mbps
    - 83dBm@11Mbps
  - Serial ports - 1 (dial-in, or on-demand)
  - Memory - 8MB Flash, 32MB RAM
  - USB External Storage (HDD or Flash)
  - USB printers (Host drivers)
  - Real time clock
  - Power - 5V 1.5A
  - Weight - 1lb (500g)
  - Dimensions - 8.1"x4.7"x1" (206x120x26mm)
  - Operating temperature 0C to 40C
  - Storage temperature -20C to 70C
  - Humidity 0 to 95%, non-condensing
  - Certification - home and office
  - Warranty - 1 year\*

\*Except where required to be 2 years by law