SECURE ®
COMPUTING

Secure Computing® has been solving the most difficult network and application security challenges for over 20 years, and is uniquely qualified to be the global security solutions provider to organizations of all sizes.

SnapGear highlights

- **Create an instant office with full Internet access**
- **Advanced high-speed platforms– true appliance technology**
- **All models flash upgradeable**
- **Drops seamlessly into any network–setup is a snap**
- **Both wired and wireless networking options**
- **Highly versatile–firewall, VPN gateway, a UTM security appliance, or complete network-in-a-box solution**
- **Threat management: stateful firewall, IDS/IPS, VPN, and gateway anti-virus**
- **Central management, failover, and load balancing**
- **Employee Web access filtering and reporting (Webwasher)**
- ***Over 200,000 units shipped worldwide***

SnapGear™

SGBR-01-A

SnapGear™ **all-in-one small business Internet appliances**
Versatile, simple, easy, low cost, and secure

SnapGear™ can be deployed as just a firewall, as a VPN gateway, a UTM security appliance, or as a complete office network-in-a-box Internet appliance for small businesses, with all of the wide area networking tools needed to serve large enterprise remote offices.

Create an instant and secure office network with SnapGear

SnapGear is a complete office network-in-a-box Internet security appliance for small businesses, with wide area networking tools normally only available in enterprise-class devices. Not just a single-purpose security appliance that adds one more additional device to your network, SnapGear is the only networking device needed for office PCs to be networked with one another, connect securely to the Internet, connect to the corporate WAN, and service all remote access VPN needs. SnapGear handles it all for you easily and at low cost by converging all networking, firewall, intrusion prevention security, and remote access requirements into one high-speed, highly reliable, small form-factor appliance. It's a snap to set up a secure business office—just pick the SnapGear model that fits your requirements and power it on.

It's a snap to set up your small business office with:

- A local network of PCs (wired or wireless including DHCP and all LAN routing functions)
- Internet connection
- Seamless LAN to WAN connectivity
- A complete perimeter security solution (firewall, VPN, intrusion detection/ prevention, anti-virus)
- Secure remote VPN access for your mobile staff

Just pick the SnapGear model that fits your business requirements and power it on. No additional routers, switches, DHCP servers, wireless devices, or failover devices are needed. That's why we call our SnapGear products the complete office network-in-a-box Internet security appliance.

SnapGear Family benefits, features, and advantages

Enterprise-class networking technology in small business platforms

SnapGear's configurable firmware is based on embedded Linux and provides a virtually unlimited range of precise tuning options for such elements as QoS (Quality of Service), VPN tunnel topology, routing, and fine-grained firewall rule sets.

Fully supports both business and consumer-grade broadband, ADSL, dedicated circuits from T-1 on up, narrow-band modems, and wireless. Advanced networking features include support of port & tag based VLAN, OSPF, BGP, RIP, RIPv2, RAS, RADIUS, TACACS+, MS-CHAP V2, and more. Web and DNS caching is also available.

Failover and load balancing

To assure uninterrupted connectivity, all SnapGear family products are equipped with a serial port. If the broadband Internet connection is lost, SnapGear products can automatically create a new narrowband connection using an external ISDN or analog modem. The SG560, SG565, SG580, and SG710/710+ appliances support multiple broadband ports to ensure uninterrupted WAN access and maximum bandwidth utilization.

Fully featured and powerful stateful inspection firewall technology

With ICSA-Certified dynamic firewall technology underpinning all SnapGear models, SnapGear customers are assured of the highest levels of stateful firewall protection. The entire SnapGear line is highly resistant to denial-of-service attacks and intrusion attempts, while actively repelling port scans and other common probes.

Virtual private network (VPN)

Whether connecting site-to-site or with mobile users, SnapGear supports all of the most popular types of VPN technology including PPTP, L2TP, GRE, and IPSec. Even the smallest SnapGear security appliances include a robust IPsec VPN solution for securely inter-connecting multiple offices across the public Internet without investing in a dedicated wide area network. The SnapGear VPN supports 3DES, AES, and other popular commercial encryption algorithms.

Intrusion detection and threat mitigation

All SnapGear security appliances include technology to disrupt conventional scanning and network layer denial of service attacks. The SnapGear SG565, SG580 and SG710/710+ include embedded anti-virus gateway services for SMTP, HTTP, POP3, and FTP. The SnapGear SG565, SG580, SG635, and SG710/710+ models also include an active IDS (Intrusion Detection System) powered by Snort™ to proactively monitor network events and alert network personnel when there is suspicious activity. The IDS assists with intrusion mitigation by scanning traffic for known viruses and by profiling traffic bi-directionally to help identify compromised systems.

Employee outbound access URL content filtering

Control and report on how your employees use their Web access. SnapGear appliances include the option for you to subscribe to our leading Webwasher® URL filtering solution (1, 2, or 3-year subscriptions available).

Appliance management (one-to-one *and* one-to-many)

All SnapGear appliances are easy to securely manage via any Web browser (Internet Explorer, Netscape Navigator and others), and also provide an extensive feature-rich command line interface (SSH security on all models apart from SG300). Optional enterprise-class central management and reporting is available by deploying Global Command Center software on a platform of your choosing. Global Command Center software allows network administrators to manage *hundreds* of SnapGear appliances easily including the management of upgrades, policy changes, and other configuration tasks with the click of a mouse.

Benefits and features by SnapGear model

SG300 – The SnapGear SG300 is a compact, feature-rich network security appliance that is perfect for securing small networks and remote workers. The onboard 4-port 10/100 Ethernet switch enables a small business to implement a LAN quickly and easily, and the WAN Ethernet and serial ports connect the network to the Internet via broadband (ADSL, cable, SHDSL, etc.) or narrow-band (modem or ISDN) connections. If the broadband connection is lost, the SG300 can fail over in seconds to the narrowband connection, ensuring maximum uptime.

SG560 – For larger offices or where higher performance is needed, the SnapGear SG560 includes all the features of the SG300 and also has a robust metal case, hardware encryption acceleration for better VPN performance, and port-based VLAN capability offering up to five separate security zones.

SG565 – With the adoption of wireless LANs (WLANs), people in distributed departments within medium to large organizations benefit from the ability to access information when away from a desk. The SnapGear SG565 extends the capabilities of the SG560 to include 802.11b/g Wireless LAN support and two USB host ports, allowing the direct connection of local storage devices and printers. The SG565 also offers gateway anti-virus, IDS/IPS, and Web caching. Combining VPN technology with Wireless LAN is a natural match, guaranteeing privacy of your precious data.

SG580 – The SnapGear SG580 consolidates firewall, intrusion prevention, secure VPN access, gateway anti-virus, and Web filtering. Its networking capabilities enable small offices and branch offices of large enterprises to safely and easily connect their network of PCs, PDAs, Web and applications servers to the Internet via broadband-dedicated circuits

from T-1 to T-3 and xDSL, or narrowband connections (modem/ISDN). Includes multiple enterprise-level connectivity and security features, including up to five separate security zones, link failover and Internet session load-balancing, and built-in Web proxy cache.

SG635 – The SnapGear SG635 is a cost-effective firewall/ VPN/IDS/IPS solution packaged on a PCI card for desktops and critical servers. By offloading all firewall, VPN, and IDS/ IPS processing from the host computer, the SG635 ensures high performance and throughput with the convenience of remote management and simplified installation. Unlike "co-processing" products, the SG635 is an advanced, self-contained multi-tasking stateful firewall, VPN, and IDS/IPS appliance. It includes a RISC processor, encryption accelerator for IPSec VPN traffic and two Ethernet interfaces for host and LAN communications (only one external). The SnapGear SG635 packs the power of a firewall, VPN, and IDS/IPS solution while eliminating the cabling, space and power requirements of an external appliance.

SG710/710+ – The SG710 is the flagship of the SnapGear Family of firewall/VPN appliances. With multi-megabit throughput, two fast Ethernet ports, and two 4-port VLAN switches as standard, and the option for two additional gigabit ports, the ICSA-certified SG710 is an excellent solution for branch offices of larger organizations, as well as central offices of small to mid-sized enterprises (SME). The SG710 provides central site VPN, firewall, and session load balancing capabilities with the capacity to securely connect hundreds of mobile and remote employees. With its rich feature set and rack-optimized form factor, the SG710 is a compelling enterprise-class firewall solution at a mid-market price.

Model	Typical deployment	Throughput	VPN Tunnels
SG300	Securing telecommuters and satellite offices	30 Mbps	40
SG560	Feature-rich security and WAN connectivity UTM appliance for small and mid-sized businesses	120 Mbps	100
SG565	All-in-one wireless Internet appliance with intrusion prevention system, anti-virus, and unified threat management (UTM) for branch offices or small to mid-sized enterprises	120 Mbps	150
SG580	The SG580 is ideal for enterprise branch offices or medium businesses seeking a powerful, fully-integrated UTM firewall, VPN, intrusion detection and prevention solution at a fraction of the cost of multiple point products	200 Mbps	200
SG635	Securing critical servers and desktop systems with an internal firewall, VPN, and instrusion prevention system	100 Mbps	250
SG710/ SG710+	Securing mid-sized business networks and multiple office-office connections with firewall, VPN, IPS, and anti-virus at fractional GB performance	200 Mbps/ 300 Mbps	1000

Industry leading SnapGear support offerings

Nobody offers such an outstanding standard support and warranty program as is available with your SnapGear purchase. All SnapGear models automatically include either 1 or 3 years of premium 24x7 hardware and software support bundled right in with the purchase. Please see our Web site for details. *www.snapgear.com.*

Securely manage via any Web browser

Enterprise-class networking services

Feature	SG300	SG560	SG565	SG580	SG635	SG710	SG710+
Market & specs							
Market	SOHO	SMB/ROBO	SMB/ROBO	SMB/ROBO	Desktop/server card	SMB/ROBO	SMB/ROBO
Support & warranty	1yr, 24x7 included	1yr, 24x7 included	1yr, 24x7 included	1yr, 24x7 included	1yr, 24x7 included	1yr, 24x7 included	1yr, 24x7 included
Size/dimensions	7"x4.6"x1.7"	6.5"x4.5"x1"	8.1"x4.7"x1"	6.5"x4.5"x1"	PCI card	Small 1U rack-mount	Small 1U rack-mount
Memory-Flash/RAM	4/16 MB	8/16 MB	16/64 MB	16/64 MB	16/64 MB	32/128 MB	32/128 MB
Ethernet interfaces	1-10/100 + 4-port switch (5 total)	1-10/100 + 4-port switch (5 total)	1-10/100 + 4-port switch (5 total)	1-10/100 + 4-port switch (5 total)	1-10/100	2-10/100 + 2x4-port switch (10 total)	2-10/100 + 2-10/100/1000 + 2x4-port switches (12 total)
File & print sharing (2 USB ports)			✔				
Wireless - 802.11b/g			✔				
H/W crypto acceleration		✔	✔	✔		✔	✔
Performance							
VPN - PPTP tunnels	10	10	25	80	80	140	140
VPN - IPSec tunnels	40	100	150	200	200	1000	1000
Stateful inspection throughput	30 Mbps	120 Mbps	120 Mbps	200 Mbps	100 Mbps	300 Mbps	300 Mbps
VPN - PPTP RC4 (128-bit) performance	3.5 Mbps	7 Mbps	7 Mbps	12 Mbps	7 Mbps	12 Mbps	12 Mbps
VPN - IPSec 3DES (168-bit) performance	2 Mbps	30 Mbps	30 Mbps	40 Mbps	5 Mbps	40 Mbps	40 Mbps
VPN - IPSec AES (256-bit) performance	3.5 Mbps	35 Mbps	35 Mbps	45 Mbps	12 Mbps	45 Mbps	45 Mbps
Network features							
VLAN (802.1q)	✔	✔	✔	✔	✔	✔	✔
VLAN (port based)		✔	✔	✔		✔	✔
Failover/load balancing		✔	✔	✔		✔	✔
DHCP client/server/relay	✔	✔	✔	✔	✔(no relay)	✔	✔
Web cache (squid - nontransparent)			✔	✔	✔	✔	✔
Traffic shaping/QoS	✔	✔	✔	✔	✔	✔	✔
Routing	✔	✔	✔	✔	✔	✔	✔
RAS (dial in)	✔	✔	✔	✔		✔	✔
RIP, RIPv2		✔	✔	✔	✔	✔	✔
BGP, OSPF			✔	✔		✔	✔
Security features							
ICSA certified firewall	✔	✔	✔	✔	✔	✔	✔
Anti-intrusion	✔	✔	✔	✔	✔	✔	✔
L2TP & GRE	✔	✔	✔	✔	✔	✔	✔
IPv6 gateway	✔	✔	✔	✔	✔	✔	✔
IDS & IPS (Snort)			✔	✔	✔	✔	✔
Policy enforcement (NASL scripts)			✔	✔	✔	✔	✔
Content/Web filtering (optional service)	✔	✔	✔	✔	✔	✔	✔
Gateway anti-virus (POP3, SMTP, FTP, HTTP)			✔	✔		✔	✔
White/black URL lists	✔	✔	✔	✔	✔	✔	✔
White/black host lists	✔	✔	✔	✔	✔	✔	✔