SIDEWINDER® G$_2$ FIREWALL™

Providing enterprise strong™ *protection for the world's most important networks*

Compact, powerful, rack-mounted, and secure!

- Simple Power-It-On!™ deployment

- Full line of high-performance firewall appliances

- Hybrid firewall: stateful inspection to application-level filtering

- Decrease communication costs with a low-cost VPN

- Lower TCO—say "goodbye!" to emergency security patches: inoculate with patented SecureOS™ software

- Centralized security for multiple distributed G$_2$ firewalls

- Single point of contact, 24 x 7 "live answer" support

SECURE COMPUTING

Strong price/performance across the entire line

Preinstalled and pretuned for ease of installation, the Sidewinder® G$_2$ family of firewall/VPN appliances provides an out-of-the-box security solution that drops seamlessly into any IP network. No special training or teams of IT experts are required. The Sidewinder G$_2$ appliances deliver a complete solution that combines Secure Computing's uncompromised firewall software with a family of high-performance, rack-mounted server platforms. The appliance platforms range from the lowest-cost model 25 in a 1U form factor all the way up to the powerful model 4000 unlimited-class appliance that ships with four of the latest Intel® processors, the fastest bus speeds, and multiple gigabit interfaces.

The Sidewinder G$_2$ models 25, 100, 250, 1000, 2000, and 4000 all fit cleanly into a standard 19 inch rack requiring as little as 1.7 inches of height (1U models). No dedicated terminals, keyboards, or special power supplies are required.

Network-friendly, Sidewinder G$_2$ arrives "Tivoli Ready" and includes built-in support for all major network "housekeeping" protocols (SNMP, OSPF, RIP, NTP, ICMP, PING, etc.). Administrators can easily monitor the Sidewinder G$_2$ firewall health with its built-in monitoring tools and reports, or may export the audit data to leading third-party reporting products like WebTrends®.

With its simple Power-It-On!™ deployment features, its remote backup/restore capabilities, centralized logging, complete health/audit monitoring and pioneering Strikeback® alert features, Sidewinder G$_2$ is the perfect choice for any security-minded organization, especially where remote unattended "lights out" installations are required.

Easy to install, easy to own, and always secure

It takes just a few minutes to decide how you want your Sidewinder G$_2$ to work. The G$_2$ Firewall's Windows-based configuration wizard asks you a few basic questions about your network and security policy and then stores the answers on a standard diskette.

Then, simply slip your preinstalled Sidewinder G$_2$ Firewall appliance into a rack slot, connect the network cables, and insert the wizard-based start-up diskette. With that done, you are all set up for the great Power-It-On experience. Soon you will hear the friendly Sidewinder G$_2$ beeps telling you that your new firewall is up, running, and protecting your site.

Unlike other firewalls, no one has ever found or reported a flaw on Sidewinder G$_2$ technology that required an emergency security patch. Yes, it's true! Sidewinder G$_2$'s multi-layered defenses have stood the test of time and have proven since installation #1 in January of 1995 that the underlying SecureOS UNIX operating system can handle even the highest-grade attacks out of the box, whether they are known or unknown. ICSA and Common Criteria-certified with EAL5 penetration and vulnerability testing, plus validation and selection by the world's most demanding security organizations, ensures your Sidewinder G$_2$ will never miss a beat, even as new and more sophisticated Internet attacks continue to evolve. Sidewinder G2 lets you say "goodbye" to emergency security patches, resulting in a much lower total-cost-of-ownership (TCO) as compared to competitive products where you are constantly required to react and patch the firewall application and underlying operating system.

Full rack of the Sidewinder G2 Firewall model 2000 appliances

Downtime is not tolerated, so when it comes time to upgrade your G_2 Firewall or add features, new software is delivered to you automatically via the Internet. Sidewinder G_2 authenticates, self-checks, and even self-installs upgrades for your system (operating system and all application software) with a single command per your schedule.

Management tree: Color enhancement with intuitive tree-based structure make the firewall easy to use and manage.

Scalable performance, reliability, and high availability to satisfy any requirement

Scalability and reliability start deep inside the Sidewinder G_2 Firewall. Secure Computing's SecureOS™ UNIX is the first and only firewall operating system to be optimized for Pentium® processors at the Intel® ASC performance testing labs. With gigabit throughput and 1,000,000+ concurrent connections on the high end model 4000 appliance, maximum performance with premium enterprise security is within every organization's reach. The G_2 Firewall includes premium stateful failover software and when used in conjunction with Secure Computing-certified load balancing solutions, the Sidewinder G_2 firewall achieves unlimited scalability, and as much throughput as you could possibly need.

Unmatched hybrid security and Windows-based management

Sidewinder G_2's hybrid security architecture combines the entire range of firewall mechanisms including basic packet filters, stateful inspection, circuit level proxies, application proxies, secured servers, real-time Strikeback intrusion detection alerts, and denial of service (DOS) protection in one simple, cost-effective package. While other simple stateful inspection firewalls cannot address the rigors of the modern, Web-based enterprise, G_2 combines stateful inspection with application-layer filtering to prevent even the most sophisticated types of attacks. As more enterprises and government agencies rely on Web services such as .NET, XML, and SOAP, application-layer filtering is becoming an essential part of the security environment.

At its hardened core is our Intel-tuned SecureOS UNIX with patented Type Enforcement® technology. Using a strategy of isolation, Type Enforcement technology protects every byte of software in the firewall by making it impossible for an attacker to use one service to gain access to another, or infiltrate the system by gaining root access. It protects every file, every directory, and every executable against both known and unknown attacks. Intelligent application-level proxies and secured servers protect DNS, SMTP mail, FTP, HTTP and other high-use Internet services in ways that no "stateful-inspection-only" firewall could ever dream of delivering.

Ease-of-management

Sidewinder G_2's Windows®-based administration console software uses an intuitive tree-based interface to manage one or more Sidewinders locally or around the world. The easy-to-use GUI-based management tools and access control logic give organizations the flexibility to deploy and enforce their most complex security policies. And administrators have pop-up access to context-sensitive Help menus every step of the way.

Enterprise management

The complementary Sidewinder G_2 Enterprise Manager product is an *enterprise strong*™ security appliance that delivers both single-point policy management and a central audit-log and configuration back-up repository for hundreds of distributed Sidewinder G_2 Firewalls, all managed from a highly intuitive Windows®-based software package. Installation and start-up of the pre-imaged appliance, with its SecureOS™ UNIX and tightly integrated SQL database, is simple and fast as you experience the convenience of our Power-It-On™ promise. Save firewall administration time, reduce firewall administration cost, and ensure configuration integrity by leveraging a small number of skilled firewall experts across your entire organization who can build, deploy, and lock down firewall policies.

VPN compatibility

- IPSec and IKE protocol compliance verified through ICSA certification
- Extended IKE Authentication (XAUTH) Version 6.0
- X.509 version 3 certificates
- Simple Certificate Enrollment Protocol (SCEP)
- Support for Baltimore, Entrust, Verisign, Netscape, and Microsoft certificates
- Tunnel or transport mode security DES, Triple-DES, MD5, SHA-1 algorithms, and CAST
- PKCS #7, #10, and #12
- FIPS PUB 46-1 and 46-3
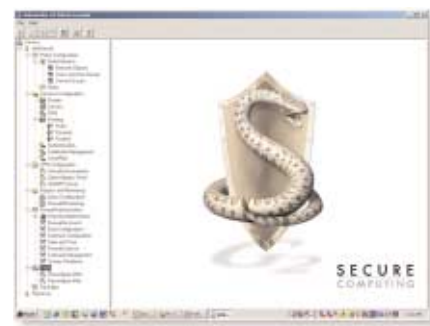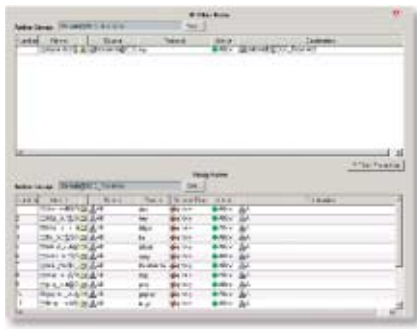- FIPS PUB 140-1
- FIPS PUB 180-1

Administration system requirements

- IBM-compatible computer with a 1Ghz Pentium processor or equivalent
- Windows NT Workstation 4.0 with 512 MB RAM;
- Windows 2000 and ME with 512 MB RAM
- 10 MB hard disk space
- Native Microsoft TCP/IP communications protocol
- Microsoft Internet Explorer 4 or later

Unified rules: Managing stateful inspection and application proxies is simple with unified rule views.

Model 25, 100

Model 250, 1000

Model 2000

Model 4000

Embedded VPN and authentication to leverage the low-cost public Internet

By providing secure, encrypted site-to-site and client-to-site communication over public networks like the Internet, virtual private networks (VPNs) allow organizations to realize significant cost savings. Sidewinder G_2's VPN gateway and SoftRemote VPN client functionality are time tested, mature, and ICSA IPSec-certified. G_2 Firewall delivers an enterprise-class VPN solution integrated with the firewall software. G_2 Firewall integration with leading authentication methods include passwords, NT domain, LDAP, SafeWord® PremierAccess™, SecurID, and the RADIUS protocol ensure user security in addition to support for digital certificates for VPNs.

The whole package counts—warranty, technical support, and customer training round out this enterprise security solution

The Sidewinder G_2 Firewall appliance offering provides an extra measure of assurance with its Dell hardware. Dell is world-famous for providing the highest quality products that incorporate leading technology at the most competitive prices. When you order an appliance for your Sidewinder G_2 Firewall, you reap the benefits of Dell's legendary reliability, backed up by a three-year hardware warranty service and enterprise firewall support, all handled through our award-winning SecureSupport center.

Secure Computing's SecureSupport center provides "Live Answer" assistance 24 hours a day. Yes, at any time day or night you talk to people, not machines. Secure Computing offers a single point of contact for hardware warranty, operating system, and firewall/VPN administration questions. Secure Computing can also provide onsite support to address any special needs.

Numerous training options are available as well to help you get the most out of the world's strongest firewall. Secure Computing offers classroom training or, if travel is not desirable, you can simply log in to Secure Computing's unique e-training facility where administrator training is delivered right to your browser.

POWER-IT-ON!™

1 The rack-dense Sidewinder G_2 Firewall appliance-based product arrives pre-loaded

2 Sit at your desk with the Windows® configuration wizard and answer 15 simple questions, then save to floppy

3 Insert the configuration diskette for the Power-It-On!™ experience

4 Just a few minutes later, the G_2 Firewall appliance beeps 4 times to let you know it's up and protecting your network

It's that easy to deploy the world's strongest firewall and VPN

Sidewinder G$_2$ Firewall models and features

	25, 100	250, 1000	2000	4000
Maximum throughput	Up to OC3 (155 Mbps)	Up to OC3 (155 Mbps)	Up to OC12 (622 Mbps)	1+Gbps
Number of users/nodes	25	250 or unlimited	Unlimited	Unlimited
Maximum recommended users	25, 100	5000 (model 1000)	30,000	40,000
Concurrent connections	500,000	500,000	750,000	1,000,000+
Power-It-On!™ deployment	Yes	Yes	Yes	Yes
SecureOS™—protects against both known and unknown attacks	Yes	Yes	Yes	Yes
Hybrid filtering—stateful/application	Yes	Yes	Yes	Yes
VPN	Included	Included	Included	Included
Failover (HA) software	Included	Included	Included	Included
Content filtering • On-box Java & ActiveX • Antivirus	Yes	Yes	Yes	Yes
Secured Web caching (Squid)	Yes	Yes	Yes	Yes
On-Box™ SmartFilter® URL filtering	Yes	Yes	Yes	Yes
Secured DNS & mail server	Yes	Yes	Yes	Yes
Integrated Strikeback® intrusion detection & denial of service protection	Yes	Yes	Yes	Yes
Three-year hardware warranty	Included	Included	Included	Included
24 x 7 "Live Answer" support	Standard option	Standard option	Standard option	Standard option
Physical specs Rack size	1U	1U	2U	4U
Hardware specs (see *www.sidewinder.com* for additional hardware specs)				
Processor(s)	1	1 standard 2nd optional	2	4
Power supply	Single	Single, Dual optional	Dual	Dual
RAID optional	N/A	RAID 1 option	RAID 5 option	RAID 5 standard
Network interfaces Standard	1-10/100 2-10/100/1000	1-10/100, 2-10/100/1000	3-10/100/1000	4-10/100/1000
Maximum • 10/100 Ethernet • 10/100/1000 Gigabit	6 4	6 4	8 5	10 9

Secure Computing Corporation: www.securecomputing.com

SIDEWINDER®
G$_2$ FIREWALL™

Corporate Headquarters
4810 HARWOOD ROAD
SAN JOSE, CA 95124   USA

TEL   +1.800.379.4944
TEL   +1.408.979.6100
FAX   +1.408.979.6501

European Headquarters
EAST WING, PIPER HOUSE
HATCH LANE
WINDSOR SL4 3QP   UK
TEL   +44.1753.410900
FAX   +44.1753.410901

Asia/Pac Headquarters
801 YUE XIU BLDG.
NOS. 160-174 LOCKHART ROAD
WANCHAI HONG KONG
TEL   +852.2520.2422
FAX   +852.2587.1333

Japan Headquarters
LEVEL 15 JT BLDG.
2-2-1 TORANOMEN MINATO-KU
TOKYO 105-0001 JAPAN
TEL   +81.3.5114.8224
FAX   +81.3.5114.8226

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