USG2000/5100
Unified Security Gateway

USG2000&5100 Unified Security Gateway

Overview

The USG2000&5100 series of Huawei integrates security functions including IPS, AV, AS, URL filtering, application control, and content filtering, and other functions, such as routing, switching, high availability, VPN, NAT, bandwidth management, identity authentication, load balancing, IPv6, and visualized management to protect networks against DDoS attacks, worms, Trojan horses, viruses, intrusions, and other network infringements, providing a reliable and secure network for small and mid-sized enterprises.

Highlights

Multi-Core Hardware for Exceptional Performance

- Uses the advanced multi-core hardware and All-Flow multi-thread processing technology to ensure fast data processing and improved user experience.
- Employs the stable VSP software platform and next generation high efficiency engine to implement one-time packet check for all security modules, greatly improving the throughput and concurrent detection performance and ensuring service availability and efficiency for customers.
- Provides professional bypass cards to protect networks from breakdown.

Simple Configuration and Management

- Provides user/application/content-based security policies of fine granularity to ensure accurate protection.
- Provides unified security policies in all series, and supports centralized and simplified configuration of all security modules.
- Provides a profession Web-based configuration wizard and visible management software for centralized policy management and easy operation.

Professional and Comprehensive Protection

- Basic security defense: supports high availability, NAT, VPN, identity authentication, load balancing, bandwidth management, anti-DDoS, and IPv6.
- Complete UTM function: supports IPS, anti-virus (5 million viruses), AS, URL filtering (65 million URLs), and application control (1000+ applications), effectively ensuring bandwidth for mission-critical services and improving employees productivity.
- Virtualization: virtualizes the firewall and UTM functions, supports refined management of security policies for each virtual zone follows the trend of cloud, and smoothly transfers to the next generation network.
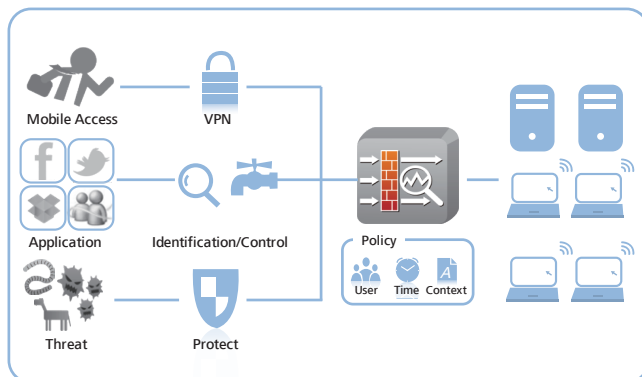
Choice of Wired or Wireless Access

- Supports multiple Internet access modes by means of FE, GE, E1/CE1, serial, ADSL2+, G.SHDSL, and 3G (WCDMA,TD-CDMA and CDMA2000).
- Supports 802.11a/b/g/n WLAN to maximize your return on investment (ROI).
- Supports 10 expansion slots and up to 88 GE ports (with a single card supporting a maximum of 20 GE ports) to meet your needs for network expansion and seamless upgrade.

All in One, Low TCO

- Integrates a range of functions such as routing, switching, wireless access (Wi-Fi and 3G), and data security, accelerating the deployment and decreasing the maintenance complexity and the TCO.

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Specifications

Model	USG2110 F/FW	USG2110 AW	USG2110 AGW-W	USG2160	USG2230	USG2260	USG5120	USG5150
Performance								
Firewall	180 Mbps			200 Mbit/s	900 Mbit/s	2 Gbit/s	2.5 Gbit/s	4 Gbit/s
VPN	40 Mbps			50 Mbit/s	300 Mbit/s	500 Mbit/s	1 Gbit/s	2 Gbit/s
Virtual firewalls	10			10	100	100	100	100
Recommended Users	50			50-200	200-500	500-800	800-1000	1000-1200
Expansion and I/O								
Fixed port	2×FE WAN+8×FE LAN/ 2×FE WAN+8×FE LAN+WI-FI	1×FE WAN+1ADSL+8×FE LAN+WI-FI	1×FE WAN +1ADSL +8×FE LAN+WI-FI+3G	1×FE WAN +8×FE LAN/ 1×FE WAN +8×FE LAN+ WI-FI	2×GE (combo)	2×GE (combo)	2×GE+2×GE (combo)	4×GE (combo)
Expansion slot	Not supported			2×MIC	4×MIC +2×FIC	4×MIC +2×FIC	4×MIC +2×FIC +2×DFIC	4×MIC +2×FIC +4×DFIC
Interface module type	USB expansion: WCDMA 3G, CDMA2000 3G, TD-SCDMA 3G			MIC: 1×FE (RJ45), 5×FE (RJ45), 1×E1, 1×CE1, 1×Wi-Fi**, 1×SA, 2×SA, 1×ADSL2+, 3G-WCDMA, 3G-CDMA2000 DMIC: 8×FE (RJ45)+2×GE (RJ45) FIC: 2×E1, 2×CE1, 4×E1, 4×CE1, 8×E1, 8×CE1, 2×FE (RJ45)+2×FE (combo), 1×GE (RJ45), 4×GE (RJ45), bypass DFIC: X86, 18×FE (RJ45)+2×GE (SFP), 16×GE (RJ45)+4×GE (SFP) USB expansion: WCDMA 3G, CDMA2000 3G, TD-SCDMA 3G				
Routing Features								
IPv4	802.1Q, static routing, WCMP, policy-based routing, RIP, OSFPv1/v2, BGP4, IS-IS, DHCP, and link aggregation							
IPv6	Static routing, policy-based routing, RIPng, OSPFv3, BGP4+, and IS-ISv6							
Multicast	IGMP V1/2/3, PIM-DM, PIM-SM, and MSDP							
Security Features								
VPN types	IPSec VPN, SSL VPN, MPLS VPN, L2TP VPN, and GRE VPN							
Authentication	Local Web, LDAP, AD, and RADIUS							
Basic Security	Application/user-based access control, NAT, application/user-based bandwidth control, anti-DDoS, firewall/VPN high availability, and load balancing							
UTM	Signature-based IPS, AV, AS, URL filtering, application control, keywords/search engine filtering, user-defined signature, manual /automatic/local signature update							
Dimensions, Power Supply, and Operating Environment								
Dimensions (H × W × D) mm	35mm×280mm×190mm			43.6mm ×420mm ×255mm	43.6mm ×442mm ×414mm	43.6mm ×442mm ×414mm	86.1mm ×442mm ×414mm	130.5mm ×442mm ×414mm
Weight	< 4.4 lbs (2 kg)			11 lbs (5 kg)	11.9 lbs (5.4 kg)	11.9 lbs (5.4 kg)	14.3 lbs (6.5 kg)	18.3 lbs (8.3 kg)
AC power supply	100 V to 240 V							
Power	18 W					35 W		

* The USG2160 does not support fixed Wi-Fi
**The USG2160 does not support Wi-Fi interfaces

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