

# USG2110 Unified Security Gateways

The USG2110 series is Huawei's unified security gateway developed to meet the network security needs of various organizations including the small enterprises, branch offices, operating nodes, and SOHOs. Based on industry-leading software and hardware architectures, the USG2110 series offers user-based security policies which integrate the professional security technologies including IPS, anti-virus (AV), URL filtering, application control, and anti-spam (AS). This series supports IPv6 protection and related transition technology, and provides powerful, scalable, and sustainable security capabilities for customers.



USG2110

## Product Features

### Exceptional performance and high stability

- Superior performance for mass service processing: Provides 180 Mbit/s of firewall throughput, 40 Mbit/s of VPN throughput, and the multi-thread processing technology to ensure fast data and security service processing and improve user experience.
- Super-long MTBF, ensuring service continuity: Provides a stable VSP software platform and continuous fault-free operation to ensure the stability and reliability of your business network.

### Professional security for secure networks

- Industry-leading AV engine with 99% identification accuracy: Based on extensive experience in AV technology, the AV engine features file-class content scanning. The USG2110 series integrates the AV technology with global-leading emulation environment and virtual execution technology to provide a 99% identification ratio, acknowledged by numerous international assessment organizations.
- Professional IPS engine, disabling attack variants: With traditional attack code-based defenses, a huge signature database needs to be maintained and updated to defend against attack variants. This overloads the IPS engine and leads to substandard detection performance and a high rate of false negatives and false positives. The USG2110 series is backed by advanced vulnerability defense technology and delivers virtual patches for vulnerabilities (instead of attack code), disabling various attack variants.
- Comprehensive AS capabilities: ensures the security of enterprise mail servers. Employees' emails are filtered based on the mail body, subject, keyword, or attachment to avoid information leak and the import of insecure factors.
- Real-time updates by a professional team, defending against zero-day attacks: A globally deployed honeynet system, together with a professional team of over 300 people, make it possible to keep abreast of the latest, hottest, and most dangerous system and software vulnerabilities. You get rapid defense against zero-day attacks and a more secure office network.

### Online behavior management, improving employee productivity

- Plentiful website categories, building a green Internet access environment: The URL database containing 85 million website URLs and over 130 content categories helps to shield against Trojan horse-embedded and phishing sites, block pornographic and gambling sites, delivers green network environment, regulate employee online behaviors and prevent them from engaging in activities that would harm internal network security, and avoid lawful risks.
- Sophisticated application management, creating an efficient office network: The USG2110 series identifies over 1200 application protocols. Multi-dimensional control measures based on the time, applications, users, bandwidth, and connection numbers ensure bandwidth for mission-critical services and improve the bandwidth usage. You can work more efficiently and have P2P, IM, game sites, and other websites under control.
- Various reports: The USG2110 series displays user behaviors by user, application, traffic, and behavior to help you learn about network status.

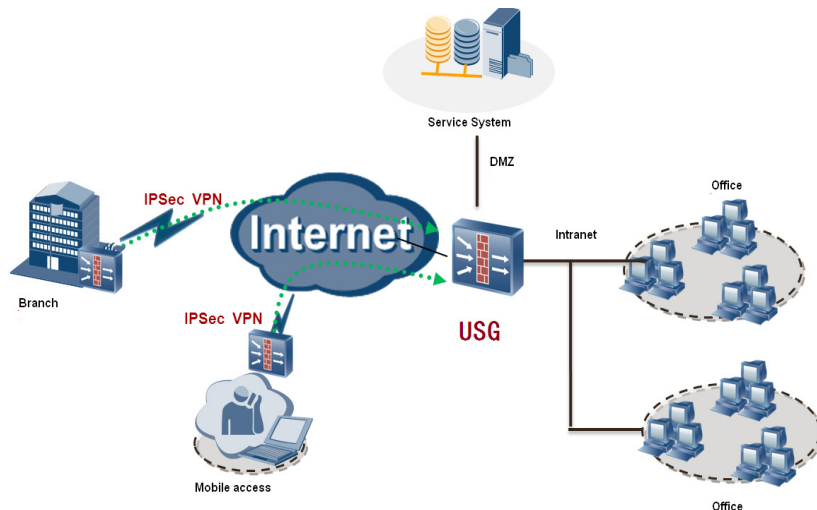
### Flexible configuration and quick deployment

- User-oriented security policy: The USG2110 series provides authority control of fine granularity based on technologies such as user-based access control, traffic limiting, application control and content security, and policy-based routing. Free from the complexity of IP-based configuration, the USG2110 series is easy and flexible to configure and provides more accurate authority control.
- Unified policy configuration: You can configure all policies on a centralized configuration interface, which simplifies, speeds up, and ensures the completeness of the configuration.
- Professional configuration wizard: The USG2110 series provides a Web-based configuration wizard and a friendly user interface to guide administrative operations.

## Application Scenarios

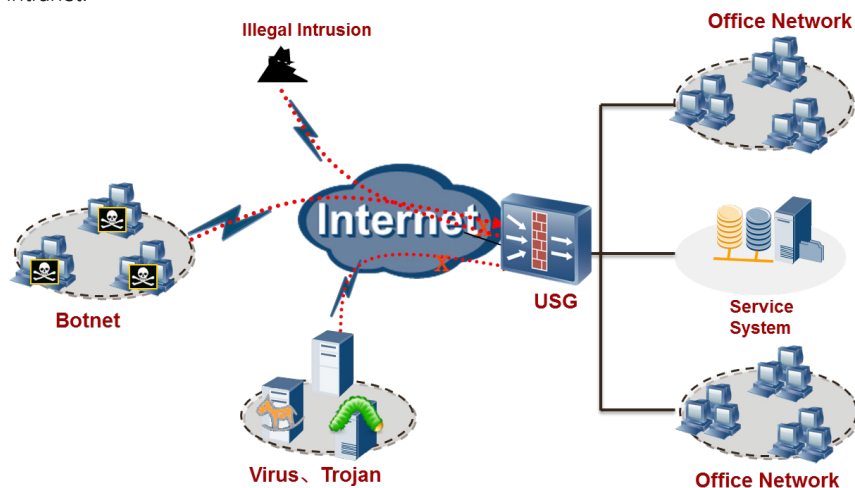
### Network Isolation and VPN Interconnection

- Challenges for customers: Network areas are not clearly divided, access control is insufficient, and the data transmitted between mobile employees or branches and the headquarters is likely to be intercepted or tampered.
- Highlights of the solution: delivers high throughput to avoid bottleneck at network borders, supports security zones to clearly divide networks, offers flexible packet filtering policies to accurately control communication, and decapsulates and checks packets of VPN users to ensure the security of data communication.



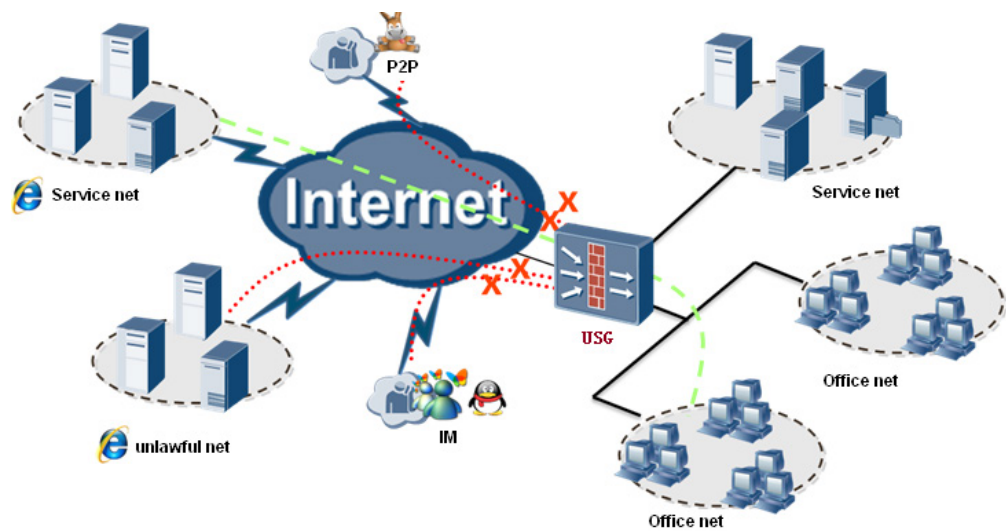
### External Threat Prevention

- Challenges for customers: Coming along with the abundant Internet resources are threats such as DDoS attacks, malicious intrusions and viruses.
- Highlights of the solution: The capabilities of supporting large numbers of concurrent connections and new connections per second help to combat the numerous DDoS attacks. Empowered by Symantec's advanced IPS and anti-virus technologies as well as vulnerability-based and real-time updated signature database, the USG2000/5100 series implements near-zero false positives and negatives and a detection ratio of higher than 99%; defends against diversified threats from the Internet, and ensures the security of the intranet.



## Online Behavior Management

- Challenges for customers: None-work-related Internet surfing, P2P download, online games, and stock transaction waste bandwidths for business, reduce employee productivity, and pose potential risks from malicious codes and hacker attacks.
- Highlights of the solution: The USG2000/5100 series provides over 1000 kinds of identifiable applications, providing visibility into the applications running on your network. The URL database containing 6.5 million website URLs helps to shield against Trojan horse-embedded and phishing sites, block pornographic and gambling sites, regulate employee online behaviors and prevent them from engaging in activities that would harm internal network security. Multi-dimensional control measures based on users, applications, time, and bandwidth ensure bandwidth for mission-critical services and improve the bandwidth usage. You can work more efficiently and have P2P, IM, game sites, and other websites under control.



## Product Specifications

Model	USG2110-F	USG2110-F-W
Fixed WAN Ports	2*10/100 WAN	2*10/100 WAN
Fixed LAN Ports	8*10/100 LAN	8*10/100 LAN
Maximum Ethernet density	10FE	10FE
Expansion slots	/	/
Throughput (bps)	180M	180M
New connections	2000	2000
Con-current connections	100,000	100,000
ACL	3000	3000
Number of Virtual Firewalls	10	10



Model	USG2110-F	USG2110-F-W
USB	1 (v2.0)	1 (v2.0)
Wi-Fi	N	Y
3G	Y	Y
IPS	Y	Y
AV	Y	Y
URL Filtering	Y	Y
AS	Y	Y
IPv6	Y	Y
Hardware Acceleration	Y	Y
Expansion Cards	N	N
Dimensions (H x W x D)	280x190x35mm	280x190x35mm
Weight (full configuration)	<2.0 kg	<2.0 kg
Power Supply	AC:100~240V No redundancy	AC:100~240V No redundancy
MTBF	12.67 year	12.67 year

Feature	
IPS	Defends system vulnerabilities, defends against unauthorized download, spoofing software, and spyware/adware, and provides protocol identification.
AV	Supports file identification and filtering, efficient virus scanning, and can detect more than 7,000,000 viruses.
AS	Supports local whitelist, local blacklist, remote real-time blacklist, content filtering, keyword filtering, and mail filtering based on the types, sizes, and numbers of attachments.
URL Filtering	Identifies more than 85 million URLs (blacklist/whitelist filtering, remote category filtering, user-defined category filtering, search engine keyword filtering, malicious URL filtering, and phishing site filtering).
Application Control	Identifies and manages over 1200 application protocols covering all mainstream applications, such as QQ, NetEase PoPo, AliTalk, PPStream, PPLive, Thunder, eMule, StongHuaShun, DaZhiHui, MSN, GoogleTalk, Youtube, Facebook, BitTorrent, and Skype.
VPN	IPSec VPN、SSL VPN、MPLS VPN、GRE VPN、L2TP VPN
Anti-DDoS	Defends against various DoS and DDoS attacks, such as SYN flood, ICMP flood, and UDP flood attacks.
Routing	IPv4: Static、RIP、OSPF、BGP、IS-IS
	IPv6: RIPng、OSPFv3、BGP4+、IPv6 IS-IS、IPv6RD、ACL6
Deployment and Reliability	Supports transparent, routing, and composite deployment modes, and active/active and active/standby backup modes.