



The ZyWALL USG 20/20W/50 Series is a high-performance, deep packet inspection security platform designed for the needs of distributed enterprise sites, branch offices and small businesses, as it embodies firewall, IPSec VPN, SSL VPN, Content Filtering and Anti-Spam features in one box. The multi-layered security safeguards your organization's customers and company records, intellectual property as well as critical resources from external and internal threats.

Key Features and Benefits

- High-performance gateway with all Gigabit Ethernet interface.
- The ICSA-certified, stateful inspection firewall protects the network and vital Internet services like e-mail, Web browsing, server services and file transfers.
- Use IPSec VPN to secure connections to branch offices, partners and headquarters. Road warriors and telecommuters can use SSL or L2TP VPN to securely access the company network without having to install VPN software.
- Bandwidth Management lets users prioritize time-sensitive applications like VoIP and video conferencing.
- The Anti-Spam feature can tag or discard unsolicited commercials or junk e-mails.
- User-aware configuration allows users to control access to applications or resources and apply security scans by user or user group.
- Multiple WAN ports let you use multiple ISP links and load balancing to enhance traffic throughput, optimize bandwidth usage and help ensuring continuous uptime if a link goes down.
- USB ports are provided for 3G WAN connections.

Features

ICSA-certified Firewall

- Zone-based access control list
- Security zones
- Stateful packet inspection
- DoS/DDoS protection
- User-aware policy enforcement
- ALG supports custom ports

Hybrid VPN

ICSA-certified IPsec VPN

- Encryption: AES/3DES/DES
- Authentication: SHA-1/MD5
- Key management: manual key/IKE
- Perfect forward secrecy: DH group 1/2/5
- NAT over IPsec VPN
- Dead peer detection/relay detection
- PKI (X.509) certificate support
- Certificate enrollment (CMP/SCEP)
- Xauth authentication
- L2TP over IPsec support

SSL VPN

- SecuExtender (full tunnel mode)
- Unified policy enforcement
- Supports two-factor authentication
- Customizable user portal

Bandwidth Management

- Bandwidth priority
- Policy-based traffic shaping
- Maximum/guaranteed bandwidth
- Bandwidth borrowing

Anti-Virus*

- Support Kaspersky Anti-Virus
- Stream-based Anti-Virus engine
- Zone base AV protection
- HTTP/FTP/SMTP/POP3/IMAP4 protocol support
- Automatic signature updates
- No file size limitation
- Blacklist/whitelist support

Intrusion Detection and Prevention (IDP)*

- Routing and transparent (bridge) mode
- Zone-based IDP inspection
- Customizable protection profile
- Protect over 2000 attack

- Automatic signature updates
- Custom signatures
- Protocol anomaly detection and protection
- Traffic anomaly detection and protection
- Flooding detection and protection
- DoS/DDoS protection

Application Patrol*

- Application, IM/P2P, stream base media, VoIP granular access control
- Detail access control of IM (chat, file transfer, video)
- Application and IM/P2P bandwidth control
- User authentication support
- IM/P2P signature auto update
- Support more than 15 catalogs IM and P2P
- Real-Time statistical reports
- Maximum/guaranteed bandwidth

Anti-Spam

- Zone to zone protection
- Transparently intercept mail via SMTP/POP3 protocols
- Blacklist/whitelist support
- Support DNSBL checking
- Statistics report

Content Filtering

- URL blocking, keyword blocking
- Exempt list (blacklist and whitelist)
- Blocks java applet, cookies and active X
- Dynamic URL filtering database (powered by BlueCoat)**

User Licenses

- Unlimited

Networking

- Routing mode/bridge mode/mixed mode
- Layer 2 port grouping
- Ethernet/PPPoE/PPTP
- Tagged VLAN (802.1Q)
- Virtual interface (alias interface)
- Policy-based routing (user-aware)
- Policy-based NAT (SNAT/DNAT)
- RIP v1/v2
- OSPF

- DHCP client/server/relay
- Built-in DNS server
- Dynamic DNS

Authentication

- Internal user database
- Microsoft Windows active directory
- External LDAP/RADIUS user database
- ZyWALL OTP (One Time Password)***
- Forced user authentication (transparent authentication)

System Management

- Role-based administration
- Multiple administrator login
- Multi-lingual web GUI (HTTPS/HTTP)
- Object-based configuration
- Command line interface (console/web console/SSH/TELNET)
- Comprehensive local logging
- Syslog
- E-mail alert
- SNMP v2c (MIB-II)
- Real-time traffic monitoring
- System configuration rollback
- Text-based configuration file
- Firmware upgrade via FTP/FTP-TLS/web GUI
- Advanced reporting (Vantage Report)
- Centralized network management (Vantage CNM)

3G Support

- Advanced wireless security transmission with WEP encryption and WPA/WPA2 support

*: Only for ZyWALL USG 50 and requires a valid subscription

** : Requires a valid subscription

***: Sold separately

Specifications

Model Name	ZyWALL USG 50	ZyWALL USG 20	ZyWALL USG 20W
System			
Firewall Throughput	100 Mbps	100 Mbps	100 Mbps
VPN Throughput (AES)	50 Mbps	30 Mbps	30 Mbps
Unlimited User Licenses	Yes	Yes	Yes
Sessions	10,000	6,000	6,000
Max. Concurrent IPSec VPN Tunnels	5	2	2
Max. Concurrent SSL VPN Users	5	1	1
Physical Port	4 x LAN/DMZ, 2 x WAN (All GbE)	4 x LAN/DMZ, 1 x WAN (All GbE)	4 x LAN/DMZ, 1 x WAN (All GbE)
USB Interface	2	1	1
Customizable Zone	Yes	Yes	Yes
Networking			
Routing/NAT/SUA Mode	Yes	Yes	Yes
Bridge Mode	Yes	Yes	Yes
Mix Mode (Routing+Bridge)	Yes	Yes	Yes
VLAN Tagging (802.1q)	Yes	Yes	Yes
Wireless Support (802.11n)	-	-	Yes
3G Support	Yes	Yes	Yes
Security			
Firewall	Yes	Yes	Yes
IPSec VPN	Yes	Yes	Yes
SSL VPN	Yes	Yes	Yes
Content Filtering	Yes	Yes	Yes
Anti-SPAM	Yes	Yes	Yes
Anti-Virus	Yes*	-	-
IDP/ADP	Yes*	-	-
IM/P2P Management	Yes*	-	-
Bandwidth Management	Yes	Yes	Yes
User-aware Management	Yes	Yes	Yes
End Point Security Check	Yes	Yes	Yes
High Availability			
Multiple WANs for Load Balancing	Yes	Yes (WAN + 3G)	Yes (WAN + 3G)
Auto Fail-over, Fail-back	Yes	Yes	Yes
Authentication Method			
Local Database	Yes	Yes	Yes
Radius	Yes	Yes	Yes
LDAP	Yes	Yes	Yes
Microsoft AD	Yes	Yes	Yes
ZyWALL OTP	Yes	Yes	Yes
Management			
WebGUI (HTTP and HTTPS)	Yes	Yes	Yes
Command Line	Yes	Yes	Yes
Vantage CNM	Yes	Yes	Yes
Vantage Report	Yes	Yes	Yes

*: Requires a valid subscription



For more product information, visit us on the web at www.ZyXEL.com



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