ZyXEL

Network Security in a Single Box for Offices of up to 50 People

- ICSA-certified Firewall
- Anti-Virus:
  - ICSA-certified ZyXEL Anti-Virus
  - Kaspersky
- IDP
- VPN:
  - ICSA-certified IPSec
  - SSL
  - L2TP
- IM/P2P Management
- Anti-Spam
- User-aware Configuration
- Bandwidth Management
- Multiple ISP Links
- ZyWALL OTP Support
- 3G Support

Unified Security Gateway
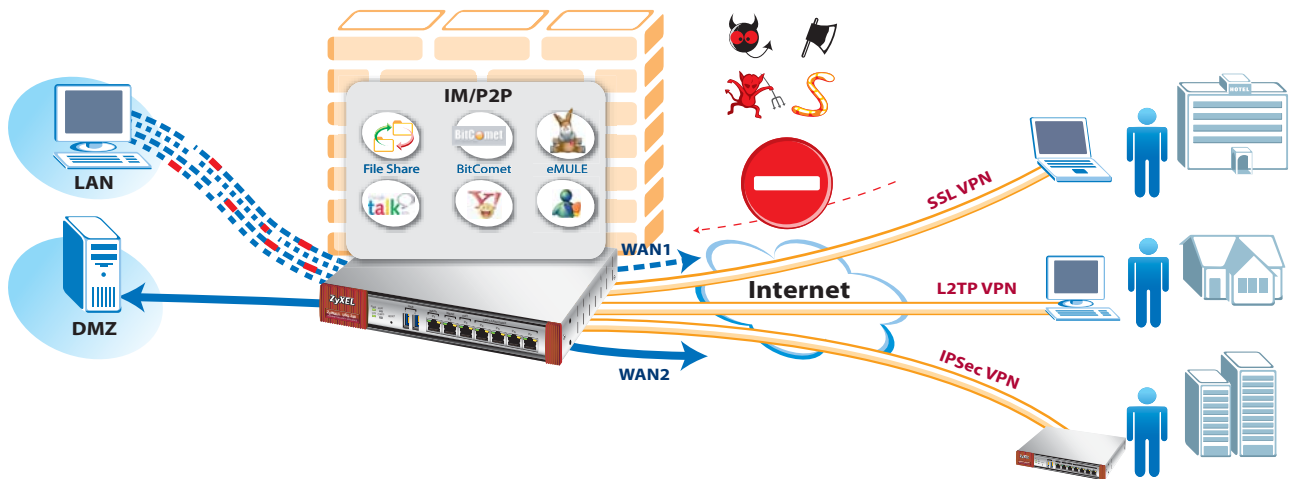
**ZyWALL
USG 100/200
Series**

The ZyWALL USG 100/200 series is a high performance, deep packet inspection security platform for small to medium sized offices. It embodies a firewall, Intrusion Detection and Prevention (IDP), content filtering, anti-virus, anti-spam, and VPN in one box. This multi-layered security safeguards your organization's customer and company records, intellectual property, and critical resources from external and internal threats. Its fanless design allows noiseless heat dissipation, making it perfect for your desk.

Benefits

- The ICSA-certified, stateful inspection firewall protects the network and vital Internet services like e-mail, Web browsing, servers, and file transfers.

- For protection against viruses and spyware, choose the ICSA-certified ZyXEL Anti-Virus or one powered by Kaspersky Labs.

- The IDP engine protects your network from intrusions such as Trojans and worms.

- 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.

- Application Patrol controls who can use what IM and P2P applications like MSN and BitTorrent, and even who can use specific features within an application.

- The anti-spam feature can tag or discard unsolicited commercial or junk e-mail.

- User-aware configuration lets you control access to applications or resources and apply security scans by user or user group.

- Bandwidth management lets you prioritize time-sensitive applications like VoIP and video conferencing.

- Multiple WAN ports let you use multiple ISP links and load balancing to enhance traffic. throughput, optimize bandwidth usage, and help ensure continuous uptime if a link goes down.

- Along with your regular user name and password, use the ZyWALL OTP (One Time Password). hardware token* to generate a new PIN code each time you log in.

- Use the extension card slot and USB ports for multiple 3G wireless WAN connections.

  *: Sold separately

Network Security

Network Connectivity

The seven Gigabit Ethernet ports include two WAN ports. The ZyWALL USG 200 OPT port can be used as another WAN, LAN1, LAN2, or DMZ port. The extension card slot lets you add an IEEE 802.11b/g wireless LAN or a 3G wireless WAN connection. There are also two USB ports you can use for 3G wireless WAN connections.

ZyWALL USG 200 Front
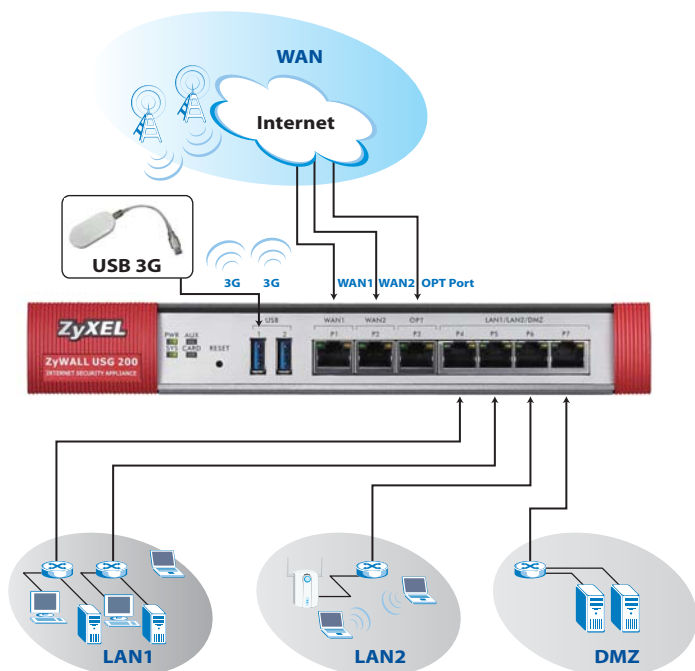
ZyWALL USG 100/200 Rear
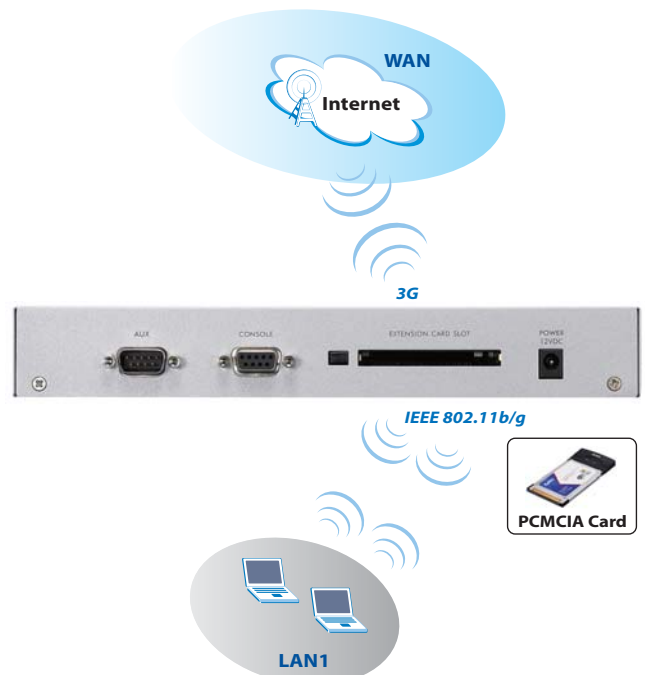
Model Comparison

Model Name	ZyWALL USG 100	ZyWALL USG 200
Recommended Number of Users	Up to 25	Up to 50
Firewall Throughput	100 Mbps	150 Mbps
VPN Throughput (AES)	50 Mbps	75 Mbps
UTM Throughput (AV + IDP + Firewall)	24 Mbps	24 Mbps
Sessions (Maximum Concurrent)	20,000	40,000
New Sessions per Second	1,000	1,400
IPSec VPN Tunnels (Maximum Concurrent)	50	100
SSL VPN Tunnels (Maximum Concurrent)	2, upgradeable to 5**	2, upgradeable to 10**
7 Gigabit Ethernet Ports	WAN1, WAN2 5 LAN1/LAN2/DMZ Ports	WAN1, WAN2 OPT Port (Use as WAN/LAN1/LAN2/DMZ) 4 LAN1/LAN2/DMZ Ports

Features Common to Both Models

ICSA-certified Firewall
- Zone-Based Access Control List
- Security Zones
- Stateful Packet Inspection
- DoS/DDoS Protection
- User-Aware Policy Enforcement
- ALG Supports Custom Ports

Intrusion Detection and Prevention
- In-line Mode (Routing/Bridge)
- Zone-Based IDP Inspection
- Customizable Protection Profile
- Signature-based Deep Packet Inspection
- Automatic Signature Updates**
- Custom Signatures
- Traffic Anomaly Detection and Protection
- Flooding Detection and Protection
- Protocol Anomaly Detection and Protection: HTTP/ICMP/TCP/UDP

Anti-Virus
- ICSA-Certified ZyXEL Anti-Virus or Kaspersky Anti-Virus
- Stream-Based Anti-Virus
- Covers Top Active Viruses in the Wild List
- Scans HTTP/FTP/SMTP/POP3/IMAP4
- Automatic Signature Updates**
- No File Size Limitation
- Blacklist/Whitelist Support

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
- Clientless Secure Remote Access (Reverse Proxy Mode)
- SecuExtender (Full Tunnel Mode)

- Unified Policy Enforcement
- Supports Two-factor Authentication
- Customizable User Portal

Application Patrol
- IM/P2P Granular Access Control
- Apply Schedules, Bandwidth Management
- User-Aware
- IM/P2P Up-to-Date Support (based on IDP signatures)**
- Real-Time Statistical Reports

Bandwidth Management
- Bandwidth Priority
- Policy-Based Traffic Shaping
- Maximum/Guaranteed Bandwidth
- Bandwidth Borrowing

Anti-Spam
- Zone to Zone Protection
- Transparently intercept mail via SMTP/POP3 protocols
- Blacklist/Whitelist support
- Support DNSBL checking
- Statistics report

High Availability
- Device HA (Active-Passive Mode)
- Device Failure Detection
- Link Monitoring
- Auto-Sync Configurations
- Multiple WAN Load Balancing
- VPN HA (Redundant Remote VPN Gateways)

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
- IP Multicasting (IGMP v1/v2)
- 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 (send to up to 4 servers)
- E-mail Alert (send to up to 2 servers)
- 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) Manageable

3G Support
- Advanced Wireless Security Transmission with WEP Encryption and WPA/WPA2 Support
- PCMCIA: Sierra Wireless AC850*, AC860*
- USB: Huawei E220*

*: Not included.
**: Requires a valid subscription.
***: Sold separately.

Specifications

Certifications

- ICSA Certified Firewall
- ICSA Certified IPSec VPN
- ICSA Certified Anti-Virus

Standards Compliance

- HSF (Hazardous Substance Free): RoHS and WEEE
- EMC: FCC Part 15 Class B, CE-EMC Class B, C-Tick Class B, VCCI Class B
- Safety: CSA International (ANS/UL60950-1, CSA60950-1, EN60950-1, IEC60950-1)

Hardware Specifications

- Memory size: 256 MB DDR2 RAM/256 MB Flash
- Interface: GbE x 7 (RJ-45 with LED)
- Interface: Auto-negotiation and Auto MDI/MDI-X
- Console: RS-232 (DB9F)
- AUX: RS-232 (DB9M)
- LED Indicator: PWR, SYS, AUX, CARD
- Reset Button
- Expansion Card Slot
- 2 USB Ports

Physical Specifications

- Rack Mountable (rack-mount kit included)
- Dimensions: 242 (W) x 175 (D) x 35.5 (H) mm/ 9.5 (W) x 6.9 (D) x 1.4 (H) inch
- Weight: 1.2 Kg/2.6 lbs

Environmental Specifications

- Operating temperature: 0°C ~ 50°C/32°F ~ 122°F
- Storage temperature: -30°C ~ 60°C/-22°F ~ 140°F
- Operating humidity: 5% ~ 90% (non-condensing)

Power Requirements

- Input: 100 ~ 240 V; 1.2 A, 50 ~ 60 Hz
- Output: 12 V; 3.5 A

GREEN ZyXEL

ZyXEL is a top-ranked green enterprise whose care for the environment is internationally recognized. ZyXEL products use toxin-free, energy-efficient and easily-recyclable materials.

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

Content Control from Blue Coat

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