ZYXEL
NETWORKS

ZyWALL USG1100/1900/2200

Unified Security Gateway

As a business grows, so does the scope of its network. New users and devices connect at an ever-increasing rate. Add to this an array of applications, like cloud-based services, and one begins to understand the challenge facing today's enterprises. It's a continuous cycle — demand for high network availability increases alongside the need for more Internet access, not to mention additional user controls and improved security measures.

The ZyWALL USG Series is a line of UTM firewalls designed to meet this challenge head-on with high availability, anti-malware protection, access management, and consolidated policy enforcement for medium to large-sized businesses and campuses. The Zyxel USG Series provides WAN and VPN load balancing, failover to ensure nonstop business communications, and our Hotspot Management solution for secure network connectivity with easy access.

- UTM Firewall for medium- and large-sized businesses and campuses
- Anti-malware protection with Anti-Virus, Anti-Spam, Content Filtering, IDP, Application Patrol and SSL inspection
- 4 step setup wizard for easy remote access with robust SSL, IPSec, and L2TP over IPSec VPN connectivity.
- Express Mode with advanced Cloud Query technology
- Enabled hospitality features with hotspot, AP management with support for WiFi 6 feature
- SecuReporter, cloud-based intelligent analytics and report service

ICSA labs CERTIFIED — Excellence in Information Security Testing Award

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Benefits

Powerful, robust and always-online

ZyWALL USG Series delivers high-access quality to help businesses satisfy the demand for always-online communications. The ZyWALL USG Series features multi-WAN load balancing/failover and a comprehensive mobile broadband USB modem support list for WAN backup operations. The ZyWALL USG Series also supports IPSec load balancing and failover, providing additional resilience for mission-critical VPN failover with VTI Interface deployments.

Engineered Express Mode. Uncompromising performance.

ZyWALL USG series supports Express Mode with advanced Cloud Query technology which has 30 billion of file ID in Zyxel security cloud's database and constantly adapts new malware data every minute via Threat Intelligence Machine Learning. This innovative design improves the anti-malware detection efficiency, enables it to verify the file ID within seconds to get the most optimal threat detection, so that the ZyWALL USG series can gain higher throughput performance.

Impregnable protection and optimization

ZyWALL USG Series thoroughly protects networks with industry-leading firewall, Anti-Malware/Virus, Anti-Spam, Content Filtering, IDP, and Application Patrol functionality. Regulate unauthorized use of Web applications over your network, such as Facebook, Google apps, and Netflix, among others. Zyxel security measures are enhanced with SSL Inspection with the support for TLS 1.3, blocking threats hidden in SSL-encrypted connections while facilitating deeper policy enforcement. Furthermore, newly improved Content Filtering enhances HTTPS Domain Filter, Browser SafeSearch, and Geo IP Blocking for an array of security enhancements to ensure clean Web connections.

Best TCO for access expansion

People expect network access regardless of time or location. As a result, hotspots are in demand in an ever-expanding assortment of locations. The ZyWALL USG1100/1900/2200 integrated with Zyxel AP Controller technology enables users to manage APs from a centralized user interface. In addition, Zyxel Hotspot Management delivers a unified solution for business networks with user-friendly tools like Billing System, Walled Garden, Multiple Authentication, 3rd Party Social Login and User Agreement. With ZyWALL USG Series, businesses can now deploy or expand a managed WiFi network with minimal effort.

Comprehensive Connectivity

ZyWALL series not only can protect your network, but it also supports Hospitality features including Hotspot, AP management with integration for WiFi 6 feature, and concurrent device upgrade. You can buy time-based bundle or quantity-based license to optimize your initial investment and maximize the scale in your environment.

Enhanced visibility

SecuReporter is a cloud-based intelligent analytics and report service with threat data collection and correlation capabilities. USG is bundled with 1-year SecuReporter service, giving 7 days of log retention and visual analytics. SecuReporter provides multiple analytical perspectives on overall Threat Trend, Spam Mail, Unsafe Website Categories, Most Frequent Security Threat (Malware, IDP, Spam) and user behaviors, delivering holistic visibility for security professionals.

Swift and secure firmware upgrades

Locating firmware updates — not to mention identifying correct versions for your device and managing their installation — can be a complex and confusing ordeal. The ZyWALL USG Series solves this with its new Cloud Helper service. Cloud Helper provides a simple step to look for up-to-date firmware information. New firmware is immediately made available upon release from our official database to ensure its authenticity and reliability.

Zyxel One Network experience

Aiming for relieving our customers from repetitive operations of deploying and managing a network, Zyxel One Network is designed to simplify the configuration, management, and troubleshooting, allowing our customers to focus on the business priorities. Zyxel One Network presents an easy-to-use tool, Zyxel One Network Utility (ZON Utility), to realize speed network setup. Zyxel Smart Connect allows Zyxel networking equipment to be aware and recognize each other and further facilitating the network maintenance via one-click remote functions such as factory reset or power cycling. Zyxel One Network redefines the network integration across multiple networking products from switch to WiFi AP and to Gateway.

ZyWALL USG Series Quick Finder

Model	USG40 /40W	USG60 /60W	USG110	USG210	USG310	USG1100	USG1900	USG2200
Description	**SB**		**SMB**			**MB**		
Firewall throughput (Mbps)	400	1,000	1,600	1,900	5,000	6,000	7,000	25,000
Max. concurrent sessions	50,000	100,000	150,000	200,000	500,000	1,000,000	1,000,000	1,500,000
UTM throughput (AV and IDP, Mbps)*	60	110	450	500	550	650	710	1,100
IDP throughput (Mbps)	95	150	590	660	900	1,000	1,200	2,000
AV throughput (Mbps)*	80	150	450	500	890	990	1,100	2,000
Amazon VPC*1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Microsoft Azure	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cloud CNM SecuReporter*2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hotspot Management*2	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device HA Pro	-	-	Yes	Yes	Yes	Yes	Yes	Yes

*: AV (with Express Mode) and IDP throughput measured using the industry standard HTTP performance test (1,460-byte HTTP packets). Testing done with multiple flows.
*1: ZyWALL/USG still be able to support by CLIs
*2: With Zyxel service license to enable or extend the feature capacity

Services and Licenses

The ZyWALL USG1100/1900/2200 provides a complete feature set to perfectly fit different business requirements as well as to enable the maximum performance and security with an all-in-one appliance. Comprehensive network modularity also empowers IT professionals to customize the system to meet their individual needs.

Anti-Virus

Anti-Spam

Intrusion Detection & Prevention

Application Patrol

SecuReporter

AP Controller

Hotspot Management

Feature Highlights

Multi-WAN & Mobile broadband

The ZyWALL USG Series provides non-stop Internet uptime with multi-WAN and mobile broadband support. Multi-WAN works with two or more Ethernet WAN connections for active-active WAN load balancing or active-passive failover. Comprehensive mobile broadband USB modems are also supported for WAN backup.

Unified security policy

Unified security policy offers object-based management and a unified configuration interface for firewall and all security-related policies. Users can easily apply all policy criteria to every UTM feature, reduce configuration time, and get more streamlined policy management.

Cloud Helper

The Cloud Helper provides friendly firmware upgrades so users don't need to worry about how and where to receive the latest firmware information and files. With just a few steps to download and update the firmware directly, it's very convenient and time-efficient.

Zyxel One Network utility

The ZON utility features smart functions to assist network management for administrators to perform batch firmware upgrade for devices, remote reboot of devices such as ceiling APs or redirect to device GUI for further configuration with just a click. These troublesome but necessary management tasks can now be easily done through just one platform for WiFi APs, switches and gateways.

SSL inspection

SSL inspection enables the ZyWALL USG Series to provide not only comprehensive security, but also deeper policy enforcement. It enables the USG's Application Patrol , IDP, Content Filtering and Anti-Virus to inspect traffic in SSL encrypted connections and block threats that usually go unseen.

Robust VPN

Zyxel USGs support high-throughput IPSec, L2TP over IPSec and SSL VPN for a wide range of site-to-client and site-to-site VPN deployments. Reinforced with the advanced SHA-2 cryptographic , the Zyxel USGs provide the most secure Policy-based and route-based VPN for business communications.

Integrated WLAN controller

The integrated WLAN controller supports CAPWAP, and enables centralized authentication and access management of multiple APs in the network. The ZyWALL USG1100/1900/2200 can manage 2 APs by default, and up to 1,026 APs with license upgrade.

PCI-DSS compliance

The ZyWALL USG Series conforms to the Payment Card Industry Data Security Standard (PCI DSS), which is a global cardholder data security standard influential to a very broad group of businesses. The PCI DSS Compliance applies to all entities such as merchants, card issuers, processors, and service providers involve in payment card processing tasks like validation, transmission and storage of cardholder data.

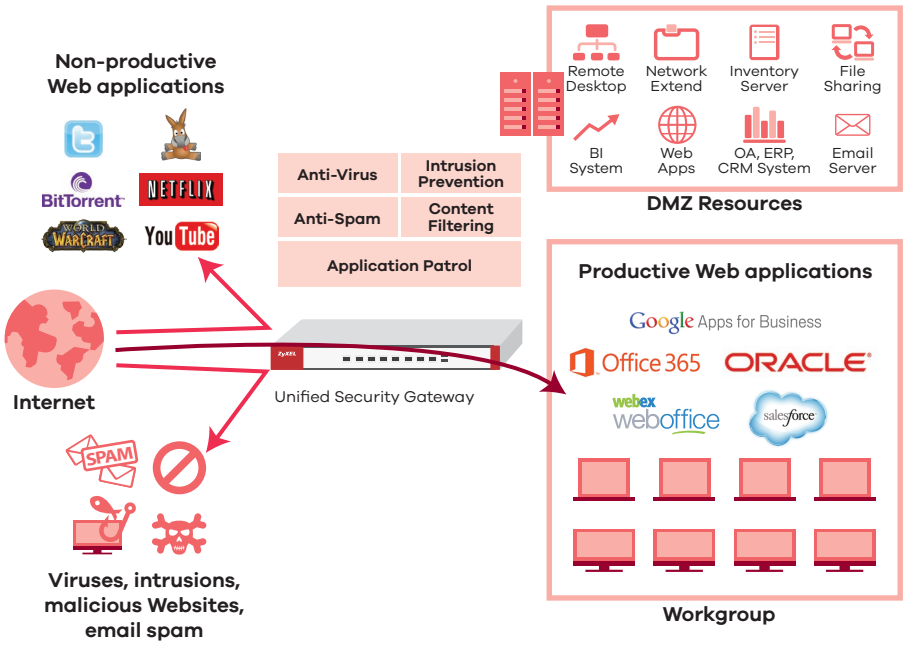
Security analytics and report

SecuReporter features a suite of analysis and reporting tools, including network security threats identification and visual analysis on security services statistics, security events, application usage, website usage, and traffic usage, With SecuReporter Premium service, even without UTM Service, user can still have the visibility of usage. SecuReporter provides application overview including real-time usage, sent/received usage, source and destination IP. New added features provide IT manager an observation on network overview.

Application Diagram

Anti-malware protection and application optimization

- Enabling Anti-Virus, Anti-Spam and Intrusion Prevention, business networks gain deep, extensive protection against all types of malware threats
- Content Filtering enables businesses to deny access to Websites that are malicious or not business-related
- Application Patrol technology not only enable businesses to block or throttle non-productive Web applications, but also optimize Web applications that increase productivity

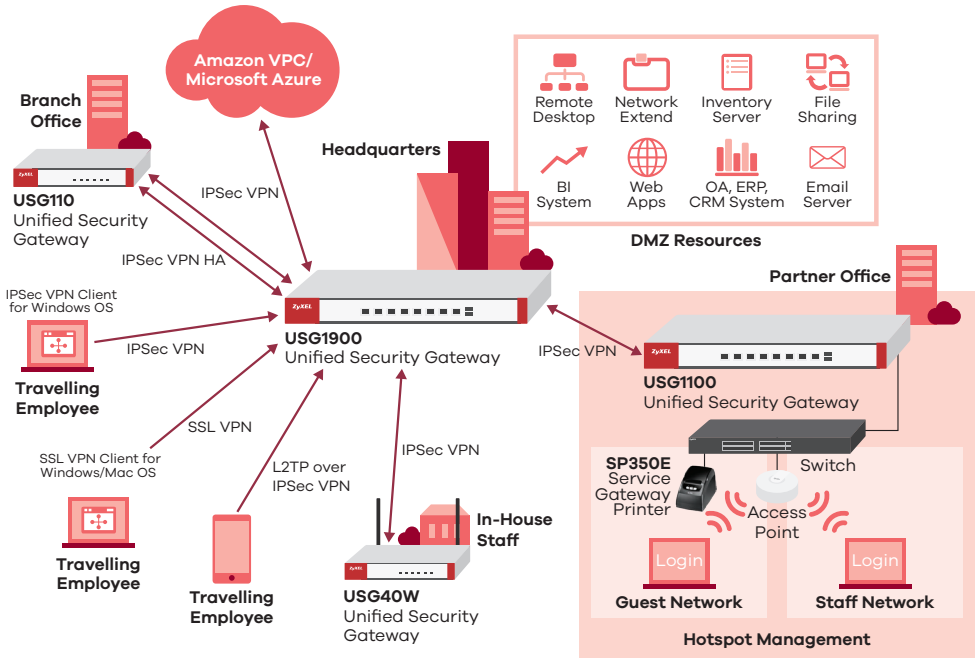


VPN application

- Branch offices, partners and home users can deploy ZyWALL USG Series for site-to-site IPSec VPN connections
- Remote users can securely access company resources with their computers or smartphones via SSL, IPSec and L2TP over IPSec VPN
- The headquarter ZyWALL USG Series can also establish an IPSec VPN connection with Amazon VPC/Microsoft Azure for secured access to a variety of cloud-based applications

Hotspot management

- High speed internet access
- Tier of service
- Log record for regulatory compliance
- Premium security control
- Various Network access control (free or paid access, social login)



Specifications

Model	USG1100	USG1900	USG2200
Product photo			
Hardware Specifications			
Interfaces	8 x GbE (configurable)	8 x GbE (configurable)	12 x GbE (configurable), 4 x SFP (configurable), 2 x 10G Combo
USB ports	2	2	2
Console port	Yes (DB9)	Yes (DB9)	Yes (DB9)
Rack-mountable	Yes	Yes	Yes
Fanless	-	-	-
System Capacity & Performance*1			
SPI firewall throughput (Mbps)*2	6,000	7,000	25,000
VPN throughput (Mbps)*3	800	900	2,500
VPN IMIX Throughput (Mbps)*3	315	350	800
IDP throughput (Mbps)*4	1,000	1,200	2,000
AV throughput (Mbps)*4	990	1,100	2,000
UTM throughput (AV and IDP, Mbps)*4	650	710	1,100
Max. TCP concurrent sessions*5	1,000,000	1,000,000	1,500,000
Max. concurrent IPSec VPN tunnels*6	1,000	2,000	3,000
Concurrent SSL VPN users (default/max.)*7	250/500	250/750	250/1,000
VLAN interface	128	128	256
Concurrent devices logins (default/max.)*7*8	800/1,500	1,500/2,000	2,000/5,000
Speedtest Performance			
SPI firewall throughput (Mbps)*9	930	930	930
WLAN Management			
Managed AP number (default/max.)*7	8/136	8/520	8/1032
Recommend max. AP in 1 AP Group	60	60	300
Security Service			
Anti-Virus (AV)*7	Yes	Yes	Yes
Intrusion Detection and Prevention (IDP) & Application Patrol*7	Yes	Yes	Yes
Anti-Spam*7	Yes	Yes	Yes
Content Filtering (CF)*7*10	Yes	Yes	Yes
SecuReporter Premium*7	Yes	Yes	Yes
Key Software Features			
VPN	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec
SSL (HTTPS) inspection	Yes	Yes	Yes
2-Factor Authentication	Yes	Yes	Yes
EZ Mode	-	-	-
Hotspot Management*7	Yes	Yes	Yes
Ticket printer support*11/ Support Q'ty (max.)	Yes (SP350E)/10	Yes (SP350E)/10	Yes (SP350E)/10
Microsoft Azure	Yes	Yes	Yes
Amazon VPC	Yes	Yes	Yes
Device HA Pro	Yes Activate once registered	Yes Activate once registered	Yes Activate once registered
Link Aggregation (LAG)	Yes	Yes	-

Model		USG1100	USG1900	USG2200
Power Requirements				
Included accessories		100 - 240 V AC, 50/60 Hz, 1.3 A max.	100 - 240 V AC, 50/60 Hz, 1.3 A max.	2 x AC-DC redundant power supply 110 - 240 V AC, 50/60 Hz, 2.5 A max.
Max. power consumption (watt)		58.5	58.5	119
Heat dissipation (BTU/hr)		199.61	199.61	406.045
Physical Specifications				
Item	**Dimensions (WxDxH)(mm/in.)**	430 x 250 x 44/ 16.93 x 9.84 x 1.73	430 x 250 x 44/ 16.93 x 9.84 x 1.73	438.5 x 500 x 89/ 17.26 x 19.69 x 3.50
	Weight (kg/lb.)	3.3/7.28	3.3/7.28	12.45/27.45
Packing	**Dimensions (WxDxH)(mm/in.)**	519 x 392 x 163/ 20.43 x 15.43 x 6.42	519 x 392 x 163/ 20.43 x 15.43 x 6.42	795 x 600 x 215/ 31.3 x 23.62 x 8.46
	Weight (kg/lb.)	4.8/10.58	4.8/10.58	18.12 (with DUT)/39.95
Included accessories		• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord x 2 • Rack mounting (slide) kit
Environmental Specifications				
Operating	**Temperature**	0°C to 40°C/ 32°F to 104°F	0°C to 40°C/ 32°F to 104°F	0°C to 40°C/ 32°F to 104°F
	Humidify	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
Storage	**Temperature**	-30°C to 70°C/ -22°F to 158°F	-30°C to 70°C/ -22°F to 158°F	-30°C to 70°C/ -22°F to 158°F
	Humidify	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
MTBF (hr)		560,811.5	560,811.5	280,490
Certifications				
EMC		FCC Part 15 (Class A), CE EMC (Class A), C-Tick (Class A), BSMI	FCC Part 15 (Class A), CE EMC (Class A), C-Tick (Class A), BSMI	FCC Part 15 (Class A), IC, CE EMC (Class A), C-Tick (Class A), BSMI
Safety		LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI

*: This matrix with firmware ZLD4.60 or later.
*1: Actual performance may vary depending on network conditions and activated applications
*2: Maximum throughput based on RFC 2544 (1,518-byte UDP packets).
*3: VPN throughput measurement are based on RFC 2544 (1,424-byte UDP packets); IMIX: UDP throughput based on a combination of 64 byte, 512 byte, and 1424 byte packet sizes.
*4: AV (with Express Mode) and IDP throughput measured using the industry standard HTTP performance test (1,460-byte HTTP packets). Testing done with multiple flows.
*5: Maximum sessions measured using the industry standard IXIA IxLoad testing tool.
*6: Including Gateway-to-Gateway and Client-to-Gateway.
*7: With Zyxel service license to enable or extend the feature capacity.
*8: This is the recommend maximum number of concurrent logged-in devices.
*9: The Speedtest result is conducted with 1 Gbps WAN link in real world and it is subject to fluctuate due to quality of the ISP link.
*10: SafeSearch function in CF need to enable SSL inspection firstly and not for small business models.
*11: With Hotspot Management license support.

Software Features

Security Service

Firewall
- ICSA-certified corporate firewall
- Routing and transparent (bridge) modes
- Stateful packet inspection
- User-aware policy enforcement
- SIP/H.323 NAT traversal
- ALG support for customized ports
- Protocol anomaly detection and protection
- Traffic anomaly detection and protection
- Flooding detection and protection
- DoS/DDoS protection

Intrusion Detection and Prevention (IDP)
- Routing and transparent (bridge) mode
- Signature-based and behavior based scanning
- Customized signatures supported
- Automatic signature updates

Application Patrol
- Granular control over the most important applications
- Identifies and controls application behavior
- Supports user authentication
- Real-time statistics

Anti-Virus
- Stream-based scan engine (Stream Mode/Express Mode)
- HTTP, FTP, SMTP, and POP3 protocol supported
- No file size limitation
- Automatic signature updates

Anti-Spam
- Transparent mail interception via SMTP and POP3 protocols
- Spam and Phishing mail detection
- Blacklist and whitelist support
- Supports DNSBL checking

Content Filtering
- HTTPs domain filtering
- SafeSearch support
- Whitelist websites enforcement
- URL blacklist and whitelist with keyword blocking
- Customizable warning messages and redirect URL
- Customizable Content Filtering block page
- URL categories increased to 111
- CTIRU (Counter-Terrorism Internet Referral Unit) support

VPN

IPSec VPN
- Encryption: DES, 3DES, AES (256-bit)
- Authentication: MD5, SHA1, SHA2 (512-bit)
- Support Route-based VPN Tunnel Interface (VTI)
- Key management: IKEv1 (x-auth, mode-config), IKEv2 (EAP, configuration payload)
- Perfect forward secrecy (DH groups) support 1, 2, 5, 14, 15-18, 20-21
- IPSec NAT traversal (NAT-T)
- Dead Peer Detection (DPD) and relay detection
- PSK and PKI (X.509) certificate support
- VPN concentrator
- Route-based VPN Tunnel Interface (VTI)
- VPN auto-reconnection
- VPN high availability (Failover, LB)
- L2TP over IPSec
- GRE and GRE over IPSec
- NAT over IPSec
- Zyxel VPN client provisioning
- Support iOS L2TP/IKE/IKEv2 VPN Client provision

SSL VPN
- Supports Windows and Mac OS X
- Supports full tunnel mode
- Supports 2-Factor authentication

Networking

WLAN Management (ZyWALL Series support only)
- Supports AP Controller (APC) version 3.60
- Wireless L2 isolation
- Supports auto AP FW update
- Scheduled WiFi service
- Dynamic Channel Selection (DCS)
- Client steering for 5 GHz priority and sticky client prevention
- Auto healing provides a stable and reliable coverage
- Customizable captive portal page
- RADIUS authentication
- WiFi Multimedia (WMM) wireless QoS
- CAPWAP discovery protocol
- Multiple SSID with VLAN
- Supports ZyMesh
- Support AP forward compatibility
- Rogue AP Detection

Mobile Broadband
- WAN connection failover via 3G and 4G* USB modems
- Auto fallback when primary WAN recovers

IPv6 Support
- Dual stack
- IPv4 tunneling (6rd and 6to4 transition tunnel)
- IPv6 addressing
- DNS, DHCPv6 server/client
- Bridge
- VLAN
- PPPoE
- Static/Policy route
- Session control
- Firewall and ADP
- IPSec (IKEv2 6in6, 4in6, 6in4)
- Intrusion Detection and Prevention (IDP)
- Application Patrol
- Content Filtering
- Anti-Virus, Anti-Malware
- Anti-Spam

Connection
- Routing mode, bridge mode and hybrid mode
- Ethernet and PPPoE
- NAT and PAT
- NAT Virtual Server Load Balancing
- VLAN tagging (802.1Q)
- Virtual interface (alias interface)
- Policy-based routing (user-aware)
- Policy-based NAT (SNAT)
- Dynamic routing (RIPv1/v2 and OSPF, BGP)
- DHCP client/server/relay
- Dynamic DNS support
- WAN trunk for more than 2 ports
- Per host session limit
- Guaranteed bandwidth
- Maximum bandwidth
- Priority-bandwidth utilization
- Bandwidth limit per user
- Bandwidth limit per IP
- GRE
- BGP

Management

Authentication

- Local user database
- Built-in user database
- External user database: Microsoft Windows Active Directory, RADIUS, LDAP
- IEEE 802.1x authentication
- Captive portal Web authentication
- XAUTH, IKEv2 with EAP VPN authentication
- Web-based authentication
- Forced user authentication (transparent authentication)
- IP-MAC address binding
- SSO (Single Sign-On) support
- Supports 2-factor authentication with Google Authenticator as the second factor for administrator account

System Management

- Role-based administration
- Multiple administrator logins
- Supports Cloud Helper
- Multi-lingual Web GUI (HTTPS and HTTP)
- Command line interface (console, Web console, SSH and telnet)
- SNMP v1, v2c, v3
- System configuration rollback
- Configuration auto backup
- Firmware upgrade via FTP, FTP-TLS and Web GUI
- Dual firmware images
- Cloud CNM SecuManager

Logging/Monitoring

- Comprehensive local logging
- Syslog (send to up to 4 servers)
- Email alerts (send to up to 2 servers)
- Real-time traffic monitoring
- System status monitoring
- Built-in daily report
- Cloud CNM SecuReporter

Zyxel One Network

- ZON Utility
  - IP configuration
  - Web GUI access
  - Firmware upgrade
  - Password configuration
- Smart Connect
  - Location and System Name update
  - Discover neighboring devices
  - One-click remote management access to the neighboring Zyxel devices

Hotspot Management

- ZyWALL 110, ZyWALL 310, and ZyWALL 1100 support only
- Integrated account generator, Web-based authentication portal and billing system
- Supports external RADIUS servers
- Per account bandwidth management
- User agreement login
- SP350E Service Gateway Printer enables one-click account and billing generation
- Built-in billing system
  - Time-to-finish accounting mode
  - Accumulation accounting mode
- Supports PayPal online payment
- Marketing tool
  - Advertisement link
  - Walled garden
  - Portal page
- Billing Replenish

Subscription Services

- Anti-Virus
- Application Patrol & IDP
- Content Filtering
- Anti-Spam
- Hotspot Management
- Managed AP
- SecuReporter Premium

*: For specific models supporting the 3G and 4G dongles on the list, please refer to the Zyxel product page at 3G dongle document

Licenses

Security

Product	Anti-Virus	Application Patrol & IDP	Content Filtering	Anti-Spam	SecuReporter Premium
USG1100	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years
USG1900	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years
USG2200	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years

1. Zyxel USGs can be purchased with bundled 12-month standard license (Anti-Virus, Anti-Spam, Content Filtering, IDP and SecuReporter) with extra 1-month trial.
2. Licenses can be easily activated, renewed and managed at myZyxel
3. License bundles may vary according to region. Please contact your local sales representative for more information.

Connectivity & Industrial Solution

Product	SSL VPN Tunnels	SSL VPN Client*	IPSec VPN Client
USG1100	Add 5/10/50 tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)
USG1900	Add 5/10/50 tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)
USG2200	Add 5/10/50 tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)

*: Support OS: MAC OS 10.7 or later

Product	Concurrent Device Upgrade*	Hotspot Management*	Managed APs
USG1100	100/300 nodes	1 year/One-time	Add 2/4/8/64 APs
USG1900	100/300 nodes	1 year/One-time	Add 2/4/8/64 APs
USG2200	100/300 nodes	1 year/One-time	Add 2/4/8/64 APs

*: With firmware ZLD 4.20 or later

Access Point Compatibility List

Product	Unified AP		Unified Pro AP	
Models	• NWA5301-NJ • NWA5121-NI • NWA5123-AC HD • NWA5123-AC • NWA5123-NI • WAC5302D-S	• WAC510D • WAC5302D-Sv2* • WAC500* • WAC500H*	• WAC6103D-I • WAC6503D-S • WAC6502D-S • WAC6303D-S • WAC6553D-E • WAC6552D-S	• WAC6502D-E • WAX650S • WAX610D*
Functions				
Central management	Yes		Yes	
Auto provisioning	Yes		Yes	
Data forwarding	Local bridge		Local bridge/Data tunnel	
ZyMesh	Yes		Yes	

*: From APC3.0, commercial gateways supporting APC technology are able to recognize APs with FW release higher than APC3.0 as Forward Compatible APs. Resellers can introduce newly-available Zyxel APs with basic features supported without upgrading any new controller firmware.

Accessories

SecuExtender Software

Item	Description	Supported OS
IPSec VPN Client*	IPSec VPN client software for the ZyWALL and USG Series with Easy VPN for zero configuration remote access	• Windows Server 2016 • Windows Server 2019 • Windows 7 (32/64-bit) • Windows 8 (32/64-bit) • Windows 10 (32/64-bit)
SSL VPN Client*	Secured VPN connection between PC/MAC and ZyWALL Firewall	• Windows 7 (32/64-bit) • Windows 8 (32/64-bit) • Windows 10 (32/64-bit) • MAC OS 10.14

*: A 30-day trial version of IPSec VPN client and SSL VPN client for MAC OS can be downloaded from official Zyxel website. To continue using the application, please contact your regional sales representatives and purchase a commercial license for the application.

Service Gateway Printer

Model	Feature	Supported Model			
SP350E 	• Buttons: 3 • Paper roll width: 58 (+0/-1) mm • Interface: 10/100 Mbps RJ-45 port • Power input: 12V DC, 5A max. • Item dimensions (WxDxH): 176 x 111 x 114 mm (6.93" x 4.37" x 4.49") • Item weight: 0.8 kg (1.76 lb.)	• USG FLEX 200 • USG FLEX 500 • USG FLEX 700	• VPN50 • VPN100 • VPN300 • VPN1000	• USG60(W) • USG110 • USG210 • USG310 • USG1100 • USG1900 • USG2200 Series	• ZyWALL110 • ZyWALL310 • ZyWALL1100

*: Hotspot management licenses required

Transceivers (Optional)

Functions	Model	Speed	Connector	Wavelength
USG2200 Series **USG20-VPN/20W-VPN** **ATP100/100W/200/500/700/800** **USG FLEX 100/100W/200/500/700** **VPN50/100/300/1000**	SFP10G-SR*	10-Gigabit SFP+	Duplex LC	850 nm
	SFP10G-LR*	10-Gigabit SFP+	Duplex LC	1310 nm
	SFP-1000T	Gigabit	RJ-45	-
	SFP-LX-10-D	Gigabit	LC	1310 nm
	SFP-SX-D	Gigabit	LC	850 nm
	SFP-BX1490-10-D*1	Gigabit	LC	1310 nm(TX) 1490 nm(RX)
	SFP-BX1490-10-D*1	Gigabit	LC	1490 nm(TX) 1310 nm(RX)

Functions	Max. Distance	Optical Fiber Type	DDMI
USG2200 Series **USG20-VPN/20W-VPN** **ATP100/100W/200/500/700/800** **USG FLEX 100/100W/200/500/700** **VPN50/100/300/1000**	300 m/328 yd	Multi Mode	Yes
	10 km/10936 yd	Single Mode	Yes
	100 m/109 yd	Multi Mode	-
	10 km/10936 yd	Single Mode	Yes
	550 m/601 yd	Multi Mode	Yes
	10 km/10936 yd	Single Mode	Yes
	10 km/10936 yd	Single Mode	Yes

*: Only USG2200 series supports 10-Gigabit SFP+
*1: SFP-BX1310-10-D and SFP-BX1490-10-D are must used in pairs.

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