



## ZyWALL 110/310/1100 and USG20(W)-VPN VPN Firewall

Networking brings convenience and efficiency to business environments; however it introduces significant security and safety concerns at the same time. Today, businesses or branch offices really need a complete yet affordable solution that not only bridges communications between two or more remote sites, but also connects multiple VPNs and ensures data security to prevent the network from threats.

### Benefits

#### Safer, more reliable VPN connections

Faster processors today have vastly boosted the capabilities of attackers to decrypt VPN tunnels. Legacy VPN cryptographic algorithms like Message Digest 5 (MD5) and Secure Hash Algorithm 1 (SHA-1) are no longer sufficient to guarantee secure outbound communications. With supports to the more advanced Secure Hash Algorithm 2 (SHA-2), the VPN Firewall provides the safest VPN connections in its class to ensure maximum security for business communications.

The complete range of ZyXel VPN Firewalls deliver reliable, non-stop VPN services with dual-WAN failover and fallback support. With two WAN connections—one primary and one for redundancy—the ZyXel VPN Firewall automatically switches to the backup connection should the primary link fail, and automatically switches back to the primary connection once it is back online.



Robust hybrid VPN (IPSec/SSL/L2TP over IPSec)



Facebook WiFi, Intelligence social media authentication



Auto-provisioned client-to-site IPsec setup with Easy VPN



More secure VPN connections with SHA-2 cryptographic



Device HA Pro dedicated heartbeat port ensures smart handover



Hotspot management for authentication, access control and billing



To support dynamic, mobile business operations in today's BYOD (bring your own device) business environments, the VPN Firewalls offer unlimited business mobility with Layer-2 Tunneling Protocol (L2TP) VPN for mobile devices. The VPN Firewall supports L2TP/IPSec VPN on a wide variety of mobile Internet devices running the iOS, Android and Windows mobile platforms.

### **Zero-configuration remote access**

Virtual private networks provide businesses a secure and convenient way of sharing company resources with partners, customers, or employees on business trips. Yet typical VPN solutions are hard for non-technical users to configure, which greatly reduces their usability and convenience. The Zyxel VPN Firewalls feature Easy VPN to provide auto-provisioned client-to-site IPSec VPN setup. A wizard is available with the Zyxel IPSec VPN client-software that automatically retrieves the VPN configuration file from the remote Zyxel VPN Firewall and completes the IPSec VPN setup in 3 simple steps. Zyxel's Easy VPN lowers administration effort and allows partner, customers, or traveling employees to access company servers, email, or data centers easily and securely.

### **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 Zyxel VPN firewalls integrated with Zyxel AP Controller technology enables users 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 series businesses can now deploy or expand a managed WiFi network with minimal effort.

### **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 Zyxel VPN Firewall 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.

### **Simplified management procedure**

Managing complex configuration settings can be confusing and time-consuming. Zyxel USG 20-VPN and USG20W-VPN provides an "easy mode" setting in the GUI for entry-level and SOHO users. Easy mode provides an icon-based feature set and attractive dashboard to simplify management and monitoring of the device. Application and function settings also have integrated wizards for user-friendly setup. Zyxel USG 20-VPN and USG20W-VPN easy mode helps entry-level users and SOHO users effortlessly take advantage of high-speed and secure networking.

### **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.

### **Stay secure and Up-to-Date with OneSecurity**

Zyxel provides frequent and timely updates in response to the latest security threats and advisories through OneSecurity — our free online service portal. OneSecurity offers informative network security resources and the know-how to assist businesses and IT administrators in keeping their network operations safe in the digital age. Information and resources can be found with one click via the GUI of Zyxel UTM Firewall series and ZyWALL series products. IT staff can quickly and easily catch up on the latest threats, and then proceed to walkthroughs and troubleshooting protocols with the help of easy-to-follow FAQs — all provided to help users secure their networks and simplify management of our UTM products.

## VPN Firewall Quick Finder



Model	USG20(W)-VPN	ZyWALL 110	ZyWALL 310	ZyWALL 1100	USG2200-VPN
Description	SB	SB	SMB	SMB	MB
Firewall Throughput (Mbps)	350	1,600	5,000	6,000	25,000
Max. Concurrent Sessions	20,000	150,000	500,000	1,000,000	1,500,000
VPN throughput (Mbps)	90	400	650	800	2,500
Max. Concurrent IPSec VPN Tunnels	10	100	300	1,000	3,000
Content filtering (CF 2.0) <sup>1</sup>	Yes	Yes	Yes	Yes	Yes
Amazon VPC <sup>2</sup>	Yes	Yes	Yes	Yes	Yes
Device HA Pro	-	Yes <sup>1</sup>	Yes <sup>1</sup>	Activate once registered	Activate once registered
Hotspot Management <sup>1</sup>	-	Yes	Yes	Yes	Yes
Facebook WiFi	Yes	Yes	Yes	Yes	Yes

\*1: With Zyxel service license to enable or extend the feature capacity

\*2: ZyWALL/USG still be able to support by CLIs

## Subscription Services

The Zyxel VPN Firewall Series 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.

Notes:

1. USG20(W)-VPN provides Anti-Spam & Content Filtering only

2. Hotspot Management supports for ZyWALL 110, USG110, or above in firmware ZLD4.25 or later.



Anti-Virus



Anti-Spam



Intrusion Detection  
& Prevention



Application Patrol



Content Filtering 2.0



Hotspot  
Management



Device HA Pro

# Key Applications

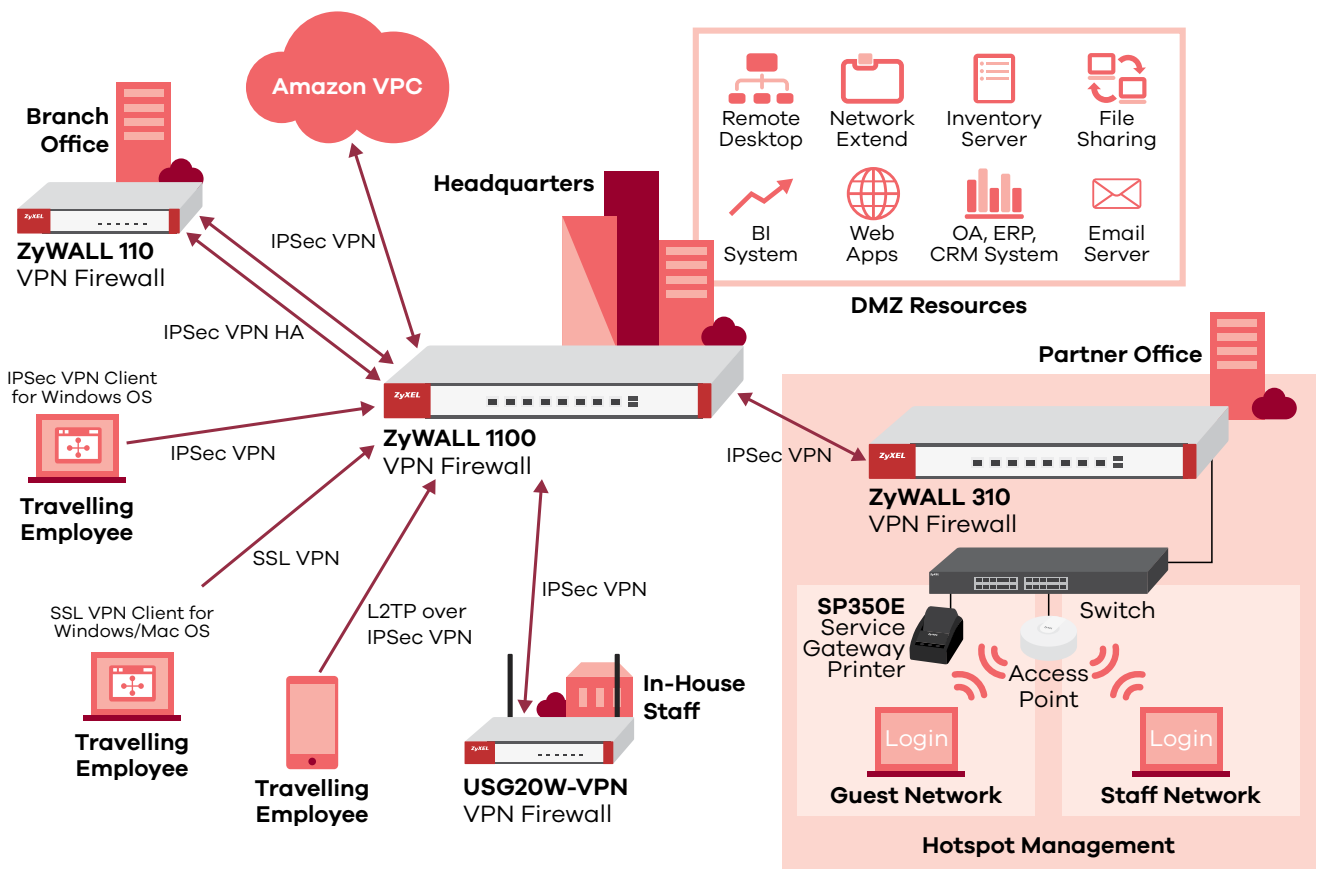
## VPN application

- High-speed, high-security communications between local servers, remote devices and cloud-hosted applications with deployments of the ZyWALL Firewalls.
- Secure, reliable VPN connectivity with IPsec VPN load balancing and failover features delivers high-availability services for exceptional uptime.
- Easy-to-use, secure remote access via SSL, IPsec and L2TP over IPsec VPN.
- The headquarter ZyWALL Series can also establish an IPsec VPN connection with Amazon VPC for secured access to leverage the benefits of cloud-base and to expend on premise networks that extend into the cloud center.






## 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)

\*: Hotspot Management supports for ZyWALL 110, USG110, or above in firmware ZLD4.25 or later.



# Specifications

Model	ZyWALL 110	ZyWALL 310	ZyWALL 1100	USG20-VPN	USG20W-VPN
Product photo					
<b>Hardware Specifications</b>					
Interfaces	4 x LAN/DMZ, 2 x WAN, 1 x OPT	8 (Configurable)	8 (Configurable)	4 x LAN/DMZ, 1 x WAN, 1 x SFP	4 x LAN/DMZ, 1 x WAN, 1 x SFP
USB ports	2	2	2	1	1
Console port	Yes (DB9)	Yes (DB9)	Yes (DB9)	Yes (RJ-45)	Yes (RJ-45)
Rack-mountable	Yes	Yes	Yes	-	-
<b>System Capacity &amp; Performance<sup>1</sup></b>					
SPI firewall throughput (Mbps) <sup>2</sup>	1,600	5,000	6,000	350	350
VPN throughput (Mbps) <sup>3</sup>	400	650	800	90	90
Max. TCP concurrent sessions <sup>4</sup>	150,000	500,000	1,000,000	20,000	20,000
Max. concurrent IPSec VPN tunnels <sup>5</sup>	100	300	1,000	10	10
Concurrent SSL VPN users (default/max.) <sup>6</sup>	25/150	50/150	250/500	5/15	5/15
VLAN interface	16	64	128	8	8
Concurrent devices logins (default/max.) <sup>6,7</sup>	200/300	500/800	800/1,500	64	64
<b>WLAN Management</b>					
Managed AP number (default/max.) <sup>6</sup>	2/34	2/34	2/130	-	-
<b>Security Service</b>					
Anti-virus (AV) <sup>6</sup>	Yes	Yes	Yes	-	-
Intrusion Detection and Prevention (IDP) & Application Patrol <sup>6</sup>	Yes	Yes	Yes	-	-
Anti-spam <sup>6</sup>	Yes	Yes	Yes	Yes	Yes
Content filtering (CF 2.0) <sup>6,8</sup>	Yes	Yes	Yes	Yes	Yes
<b>Key Features</b>					
VPN	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec
SSL (HTTPS) Inspection	Yes	Yes	Yes	-	-
EZ Mode	-	-	-	Yes	Yes
Hotspot Management <sup>6</sup>	Yes	Yes	Yes	-	-
Ticket printer support <sup>9</sup> / Support Q'ty (max.)	Yes (SP350E)/10	Yes (SP350E)/10	Yes (SP350E)/10	-	-
Amazon VPC	Yes	Yes	Yes	Yes	Yes
Facebook WiFi	Yes	Yes	Yes	Yes	Yes
Device HA Pro	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes Activate once registered	-	-
Link Aggregation (LAG)	-	Yes	Yes	-	-

Model	ZyWALL 110	ZyWALL 310	ZyWALL 1100	USG20-VPN	USG20W-VPN	
<b>Power Requirements</b>						
<b>Power input</b>	12V DC, 3.33A max.	110 - 240V AC, 50/60 Hz, 1.3A max.	110 - 240V AC, 50/60 Hz, 1.3A max.	12V DC, 2.0A max.	12V DC, 2.0A max.	
<b>Max. power consumption (watt)</b>	37	58.5	58.5	12	18	
<b>Heat dissipation (BTU/hr)</b>	126.25	199.61	199.61	40.92	61.38	
<b>Physical Specifications</b>						
<b>Item</b>	<b>Dimensions (WxDxH) (mm/in.)</b>	300 x 188 x 44/ 11.81 x 7.4 x 1.73	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	216 x 143 x 33/ 8.50 x 5.63 x 1.30	216 x 143 x 33/ 8.50 x 5.63 x 1.30
	<b>Weight (kg/lb.)</b>	2/4.41	3.3/7.28	3.3/7.28	0.88/1.94	0.94/2.06 (Antenna included)
<b>Packing</b>	<b>Dimensions (WxDxH) (mm/in.)</b>	351 x 152 x 245/ 13.82 x 5.98 x 9.65	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	276 x 185 x 98/ 10.87 x 7.28 x 3.86	276 x 185 x 98/ 10.87 x 7.28 x 3.86
	<b>Weight (kg/lb.)</b>	2.83/6.24	4.74/10.45	4.74/10.45	1.41/3.11	1.50/3.31
<b>Included accessories</b>	<ul style="list-style-type: none"> <li>• Power adaptor</li> <li>• Power cord</li> <li>• Rack mounting kit</li> </ul>	<ul style="list-style-type: none"> <li>• Power cord</li> <li>• Rack mounting kit</li> </ul>	<ul style="list-style-type: none"> <li>• Power cord</li> <li>• Rack mounting kit</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter</li> <li>• RJ-45 - RS-232 cable for console connection</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter</li> <li>• RJ-45 - RS-232 cable for console connection</li> <li>• Antenna</li> </ul>	
<b>Environmental Specifications</b>						
<b>Operating environment</b>	<b>Temperature</b>	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	0°C to 40°C/ 32°F to 104°F	0°C to 40°C/ 32°F to 104°F
	<b>Humidify</b>	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
<b>Storage environment</b>	<b>Temperature</b>	-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	-30°C to 70°C/ -22°F to 158°F	-30°C to 70°C/ -22°F to 158°F
	<b>Humidify</b>	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
<b>MTBF (hr)</b>		787109.3	560811.5	560811.5	44000	44000
<b>Certifications</b>						
<b>EMC</b>		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), CE EMC (Class A), C-Tick (Class A), BSMI	FCC Part 15 (Class B), IC, CE EMC (Class B), RCM, BSMI	FCC Part 15 (Class B), IC, CE EMC (Class B), RCM, BSMI
<b>Safety</b>		LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI	BSMI, UL	BSMI, UL

Note:

\*: This matrix with firmware ZLD4.31 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 measured based on RFC 2544 (1,424-byte UDP packets).

\*4: Maximum sessions measured using the industry standard IXIA IxLoad testing tool

\*5: Including Gateway-to-Gateway and Client-to-Gateway.

\*6: With Zyxel service license to enable or extend the feature capacity.

\*7: This is the recommend maximum number of concurrent logged-in devices.

\*8: SafeSearch function in CF2.0 need to enable SSL inspection firstly and not for small business models.

\*9: With Hotspot Management license support.

## Wireless Specifications

Model	USG20W-VPN	
Standard compliance	802.11 a/b/g/n/ac	
Wireless frequency	2.4 GHz/5 GHz	
Radio	1	
SSID number	8	
Maximum transmit power (Max. total channel)	US (FCC) 2.4 GHz: 25 dBm, 3 antennas	
	US (FCC) 5 GHz: 25 dBm, 3 antennas	
	EU (ETSI) 2.4 GHz: 20 dBm (EIRP), 3 antennas	
	EU (ETSI) 5 GHz: 20 dBm (EIRP), 3 antennas	
No. of antenna	3 detachable antennas	
Antenna gain	<ul style="list-style-type: none"> <li>• 2 dBi @2.4 GHz</li> <li>• 3 dBi @5 GHz</li> </ul>	
Data rate	<ul style="list-style-type: none"> <li>• 802.11n: Up to 450 Mbps</li> <li>• 802.11ac: Up to 1300 Mbps</li> </ul>	
Frequency band	<b>2.4 GHz (IEEE 802.11 b/g/n):</b> <ul style="list-style-type: none"> <li>• USA (FCC): 2.412 to 2.462 GHz</li> <li>• Europe (ETSI): 2.412 to 2.472 GHz</li> <li>• TWN (NCC): 2.412 to 2.462 GHz</li> </ul>	<b>5 GHz (IEEE 802.11 a/n/ac):</b> <ul style="list-style-type: none"> <li>• USA (FCC): 5.150 to 5.250 GHz; 5.250 to 5.350 GHz; 5.470 to 5.725 GHz; 5.725 to 5.850 GHz</li> <li>• Europe (ETSI): 5.15 to 5.35 GHz; 5.470 to 5.725 GHz</li> <li>• TWN (NCC): 5.15 to 5.25 GHz; 5.25 to 5.35 GHz; 5.470 to 5.725 GHz; 5.725 to 5.850 GHz</li> </ul>
Receive sensitivity	<b>2.4 GHz:</b> <ul style="list-style-type: none"> <li>• 11 Mbps ≤ -87 dBm</li> <li>• 54 Mbps ≤ -77 dBm</li> <li>• HT20 ≤ -71 dBm</li> <li>• HT40 ≤ -68 dBm</li> </ul>	<b>5 GHz:</b> <ul style="list-style-type: none"> <li>• 54 Mbps ≤ -74 dBm</li> <li>• HT40, MCS23 ≤ -68 dBm</li> <li>• VHT40, MCS9 ≤ -62 dBm</li> <li>• HT20, MCS23 ≤ -71 dBm</li> <li>• VHT20, MCS8 ≤ -66 dBm</li> <li>• VHT80, MCS9 ≤ -59 dBm</li> </ul>

## Features Set

### Software Features

#### Firewall

- ICSA-certified corporate firewall (ongoing)
- 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

- DNS
- DHCPv6
- Bridge
- VLAN
- PPPoE
- Static routing
- Policy routing
- Session control
- Firewall and ADP
- IPSec VPN
- IDP
- Application Patrol
- Content Filtering 2.0
- Anti-Virus, Anti-Malware
- Anti-Spam

- Support route-based VPN Tunnel Interface (VTI)
- Key management: manual key, IKEv1 and IKEv2 with EAP
- Perfect forward secrecy (DH groups) support 1, 2, 5, 14
- IPSec NAT traversal
- Dead peer detection and relay detection
- PKI (X.509) certificate support
- VPN concentrator
- Simple wizard support
- VPN auto-reconnection
- VPN High Availability (HA): load-balancing and failover
- L2TP over IPSec
- GRE and GRE over IPSec
- NAT over IPSec
- Zyxel VPN client provisioning
- Support iOS L2TP/IKE/IKEv2 VPN Client provision

#### IPv6 Support

- Dual stack
- IPv4 tunneling (6rd and 6to4 transition tunnel)
- IPv6 addressing

#### IPSec VPN

- Encryption: AES (256-bit), 3DES and DES
- Authentication: SHA-2 (512-bit), SHA-1 and MD5

### SSL VPN

- Supports Windows and Mac OS X
- Supports full tunnel mode
- Supports 2-step authentication
- HTTP, FTP, SMTP, POP3 and IMAP4 protocol support
- Automatic signature updates
- No file size limitation
- Customizable user portal

### Networking

- Routing mode, bridge mode and hybrid mode
- Ethernet and PPPoE
- NAT and PAT
- VLAN tagging (802.1Q)
- Virtual interface (alias interface)
- Policy-based routing (user-aware)
- Policy-based NAT (SNAT)
- Dynamic routing (RIPv1/v2 and OSPF)
- 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

### WLAN Management

#### (ZyWALL Series support only)

- Support AP controller version 3.00
- Wireless L2 isolation
- Supports auto AP FW update
- Scheduled WiFi service
- Dynamic Channel Selection (DCS)
- Client steering for 5GHz priority and sticky client prevention
- Auto healing provides a stable and reliable coverage
- IEEE 802.1x authentication
- Captive portal Web authentication
- Customizable captive portal page
- RADIUS authentication
- WiFi Multimedia (WMM) wireless QoS
- CAPWAP discovery protocol
- Multiple SSID with VLAN
- Supports ZyMesh
- Support AP forward compatibility

### Authentication

- Local user database
- Built-in user database
- Microsoft Windows Active Directory integration
- External LDAP/RADIUS user database
- XAUTH, IKEv2 with EAP VPN authentication
- Web-based authentication
- Forced user authentication (transparent authentication)
- IP-MAC address binding
- SSO (Single Sign-On) support

### Logging/Monitoring

- Comprehensive local logging
- Syslog (send to up to 4 servers)
- E-mail alert (send to up to 2 servers)
- Real-Time traffic monitoring
- System status monitoring
- Built-in daily report
- Advanced reporting (Vantage Report)

### 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
- Firmware upgrade via FTP, FTP-TLS and Web GUI
- Dual firmware images
- Cloud CNM SecuManager

### 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

### Device High Availability Pro (HA Pro)

- ZyWALL Series support only
- Device failure detection and notification
- Supports ICMP and TCP ping check
- Link monitoring
- Configuration auto-sync
- Dedicated Heartbeat Link
- Smart handover
- NAT/Firewall/VPN Sessions synchronization

### Subscription Services

- Anti-Virus
- Application Patrol & IDP
- Content Filtering 2.0
- Anti-Spam
- Hotspot Management
- Managed AP
- Device HA Pro



## Services

### VPN Service

Product	SSL VPN Tunnels	SSL VPN Client <sup>*1</sup>	IPSec VPN Client
ZyWALL 110 ZyWALL 310 ZyWALL 1100	Add 5/10/50 tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)
USG20-VPN USG20W-VPN	Add 5/10 tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)

\*1: Support OS: MAC OS 10.7 or later

### Security

Product	Anti-Virus	Application Patrol & IDP	Content Filtering 2.0	Anti-Spam
ZyWALL 110 ZyWALL 310 ZyWALL 1100	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years
USG20-VPN USG20W-VPN	-	-	1 year/2 years	1 year/2 years

Notes:

1. Licenses can be easily activated, renewed and managed at myZyxel.
2. License bundles may vary according to region. Please contact your local sales representative for more information.
3. ZyWALL Series provides all security services with 30-day trial.
4. USG20(W)-VPN provide Content Filtering 2.0 and Anti-Spam services with 30-day trial.

### Connectivity Solution

Product	Concurrent Device Upgrade <sup>*1</sup>	Hotspot Management <sup>*2</sup>	Managed APs	Device HA Pro <sup>*1</sup>	Vantage Report
ZyWALL 110	100 nodes	1 year/ One-Time	Add 2/4/8 APs	One-Time	For 1/5/25/100 device(s)
ZyWALL 310	100/300 nodes	1 year/ One-Time	Add 2/4/8 APs	One-Time	For 1/5/25/100 device(s)
ZyWALL 1100	100/300 nodes	1 year/ One-Time	Add 2/4/8/64 APs	Activate once registered	For 1/5/25/100 device(s)
USG20-VPN	-	-	-	-	For 1/5/25/100 device(s)
USG20W-VPN	-	-	-	-	For 1/5/25/100 device(s)

\*1: With firmware ZLD4.20 or later

\*2: Hotspot Management supports for ZyWALL 310 and ZyWALL 1100 in firmware ZLD4.20 or later; and for ZyWALL 110 in firmware ZLD4.25 or later.

## Access Point Compatibility List

Product	Unified AP	Unified Pro AP
<b>Models</b>	<ul style="list-style-type: none"> <li>• NWA5121-NI</li> <li>• NWA5121-N</li> <li>• NWA5123-NI</li> <li>• NWA5301-NJ</li> </ul>	<ul style="list-style-type: none"> <li>• NWA5123-AC</li> <li>• WAC5302D-S</li> <li>• Forward Compatible APs*</li> </ul>
		<ul style="list-style-type: none"> <li>• WAC6502D-E</li> <li>• WAC6502D-S</li> <li>• WAC6503D-S</li> <li>• WAC6553D-E</li> <li>• WAC6103D-I</li> <li>• Forward Compatible APs*</li> </ul>
Functions		
<b>Central management</b>	Yes	Yes
<b>Auto provisioning</b>	Yes	Yes
<b>Data forwarding</b>	Local bridge	Local bridge/Data tunnel
<b>ZyMesh</b>	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
<b>IPSec VPN Client*</b>	IPSec VPN client software for the ZyWALL and USG Series with Easy VPN for zero-configuration remote access	<ul style="list-style-type: none"> <li>• Windows XP (32-bit)</li> <li>• Windows Server 2003 (32-bit)</li> <li>• Windows Server 2008 (32/64-bit)</li> <li>• Windows Vista (32/64-bit)</li> <li>• Windows 7 (32/64-bit)</li> <li>• Windows 8 (32/64-bit)</li> <li>• Windows 10 (32/64-bit)</li> </ul>
<b>SSL VPN Client*</b>	Secured VPN connection between PC/MAC and ZyWALL Firewall	<ul style="list-style-type: none"> <li>• Windows XP</li> <li>• Windows 7 (32/64-bit)</li> <li>• Windows 8/8.1 (32/64-bit)</li> <li>• Windows 10 (32/64-bit)</li> <li>• MAC OS 10.7 or later</li> </ul>

\*: 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
<b>SP350E</b>	<ul style="list-style-type: none"> <li>• Buttons: 3</li> <li>• Paper roll width: 58 (+0/-1) mm</li> <li>• Interface: 10/100 Mbps RJ-45 port</li> <li>• Power input: 12V DC, 5A max.</li> <li>• Item dimensions (WxDxH): 176 x 111 x 114 mm (6.93" x 4.37" x 4.49")</li> <li>• Item weight: 0.8 kg (1.76 lb.)</li> </ul>	<ul style="list-style-type: none"> <li>• VPN100</li> <li>• VPN300</li> <li>• USG110</li> <li>• USG210</li> <li>• USG310</li> <li>• USG1100</li> <li>• USG1900</li> <li>• USG2200-VPN</li> <li>• ZyWALL 110</li> <li>• ZyWALL 310</li> <li>• ZyWALL 1100</li> <li>• UAG2100</li> <li>• UAG4100</li> </ul>

Note: Hotspot management licenses required

### Transceivers (Optional)

Applied Products	Model	Speed	Connector	Wavelength	Max. Distance	DDMI
<b>VPN50/100/300</b>	SFP10G-SR*	10-Gigabit SFP+	Duplex LC	850 nm	300m (328 yd)	Yes
<b>USG20-VPN/20W-VPN/2200-VPN</b>	SFP10G-LR*	10-Gigabit SFP+	Duplex LC	1310 nm	10 km (10936 yd)	Yes
	SFP-1000T	Gigabit	RJ-45	-	100m (109 yd)	-
	SFP-LX-10-D	Gigabit	LC	1310 nm	10 km (10936 yd)	-
	SFP-SX-D	Gigabit	LC	850 nm	550m (601 yd)	-

\*: Only USG2200-VPN supports 10-Gigabit SFP+



# ZYXEL

Your Networking Ally

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Datasheet [ZyWALL 110/310/1100 and USG20\(W\)-VPN](#)



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