



## USG60/60W/40/40W

### Next Generation Unified Security Gateway— Performance Series

While technology has certainly simplified many aspects of our lives, there is more than one side the story. Advancements in how people work and collaborate can often create major challenges for small businesses. These include managing the rapidly growing number of smart devices accessing networks, prioritizing and blocking a wide range of cloud-based productivity applications, and guarding against daily web-based intrusions and attacks. As threats evolve and challenges diversify, it becomes more difficult for small businesses stay on top of these changes with limited IT resources at their disposal.

The new ZyXel USG Performance Series are all-in-one next-generation firewalls (NGFW) specifically designed with comprehensive UTM features that including malware protection, application regulation, and budget control in small business environments. The built-in wireless AP (USG40W and USG60W) and WLAN controller offer instant wireless hotspot capability and future WLAN scalability. The ZyXel USG Series supports VPN, allowing businesses to securely access resources with their partner offices or headquarters. The all-in-one design integrates everything small businesses need, delivering easier and more centralized management with a lower total cost of ownership (TCO).



All-in-one Next Generation Firewall (NGFW) for small businesses



Complete network protection with Anti-Virus, Anti-Spam, Content Filtering 2.0, IDP and Application Patrol



Robust SSL, IPSec and L2TP over IPSec VPN connectivity



Unified Security Policy



Integrated single-radio (USG40W) or dual-radio (USG60W) wireless access point



Cloud helper provides the friendly firmware upgrade to ensure its authenticity and reliability.



Datasheet [USG60/60W/40/40W](#)



ZyXel **one** network  
Redefining network integration

## Benefits

### Peace of mind security

The Zyxel USG Performance Series delivers enterprise-grade Next Generation Firewall security without the hefty price tag. It provides deep, extensive protection and effective control of Web applications—like Facebook, Google Apps and Netflix—with such anti-malware protection mechanisms as firewall, Anti-Virus, Anti-Spam, Content Filtering, IDP and Application Patrol. Newly added Content Filtering 2.0 supports Geo IP Blocking to help propel detection rates from strength to strength. No longer do small businesses need to worry about threats, spam or social networking sites decreasing productivity.

### Wi-Fi where you need it

Addressing the trend of BYOD, the Zyxel USG Performance Series helps small businesses provide Wi-Fi wherever there is demand. The USG40W and USG60W feature built-in single-radio and dual-radio wireless access points that can provide Wi-Fi for small offices straight out of the box. An integrated WLAN controller with Zyxel AP Controller technology enables users to manage up to 18 access points from a centralized user interface. The USG Performance Series enables businesses to easily provide Wi-Fi in multiple other areas like reception areas and meeting rooms when Wi-Fi demand grows.

### 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 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.

### Simplified management procedure

Managing complex configuration settings can be confusing and time-consuming. The Zyxel USG Performance Series 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 Performance Series 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 Wi-Fi AP and 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 USG Extreme 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.

# Next-Gen USG Quick Finder



Model	USG40/40W		USG60/60W			USG110		USG210		USG310		USG1100		USG1900	
Description	Performance Series				Advanced Series				Extreme Series						
<b>Multi-WAN</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Unified security policy</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>SSL inspection</b>	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Link Aggregation (LAG)</b>	-	-	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Port grouping</b>	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
<b>Device HA</b>	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Device HA Pro</b>	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Easy Mode</b>	Yes	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Cloud Helper</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>PCI DSS Compliance</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Content Filtering 2.0<sup>1</sup></b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Hotspot Management<sup>2</sup></b>	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

\*1: SSL Inspection must be enabled for Content Filtering 2.0 Safe Search to function properly.

\*2: Hotspot Management supports for USG310/1100/1900 in firmware ZLD4.20 or later, and for USG110/210 in firmware ZLD4.25 or later.

## Key Services



Anti-Virus



Anti-Spam



Intrusion Detection & Prevention



Application Patrol



Content Filtering 2.0

The Zyxel USG Performance 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.

## Feature Highlights

### Built-in Wireless AP

Built with single-radio and dual-radio wireless access points, the Zyxel USG40W and USG60W are ideal for retail and office environments. The USG60W integrates 802.11 a/b/g/n technology that delivers Wi-Fi over both the 2.4 GHz and the 5 GHz spectrums.

### 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 Wi-Fi APs, switches and gateways.

### Fanless

The Zyxel USG Performance Series features a robust fanless design to prevent dirt and dust from entering operating environments to cause potentially catastrophic failures. The fanless design of USGs offers zero-noise cooling and non-overheating features to ensure silent operation in small or quiet office environments.

### Dual-WAN & Mobile Broadband

The Zyxel USG Performance Series provides high Internet uptime with dual-WAN and mobile broadband support. Dual-WAN works with two Ethernet WAN connections for active-active load balancing or active-passive failover. Comprehensive mobile broadband USB modems are also supported for WAN backup.

### 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 authentication, the Zyxel USGs provide the most secure 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 Zyxel USG Performance Series can manage 2 APs by default, and up to 18 APs with license upgrade.

### PCI DSS Compliance

The Zyxel 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 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.

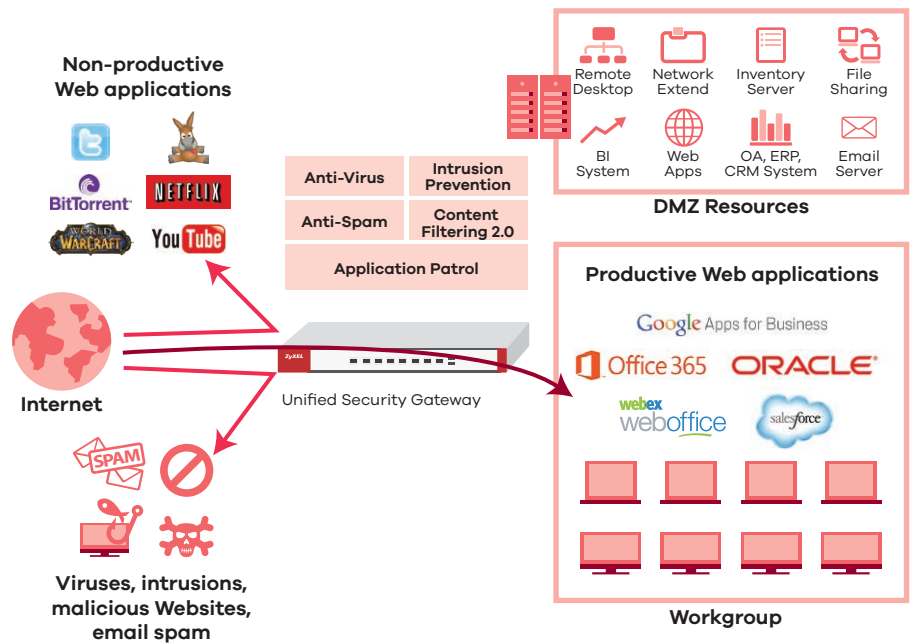
### Easy Mode

The Zyxel USG Performance Series provides friendly GUI to increase user experience, users can set up/configure device more quickly and enjoy high-speed and secure networking. Integrated Wizards help user to activate various application or functions quickly for the most used features.

# Application Diagram

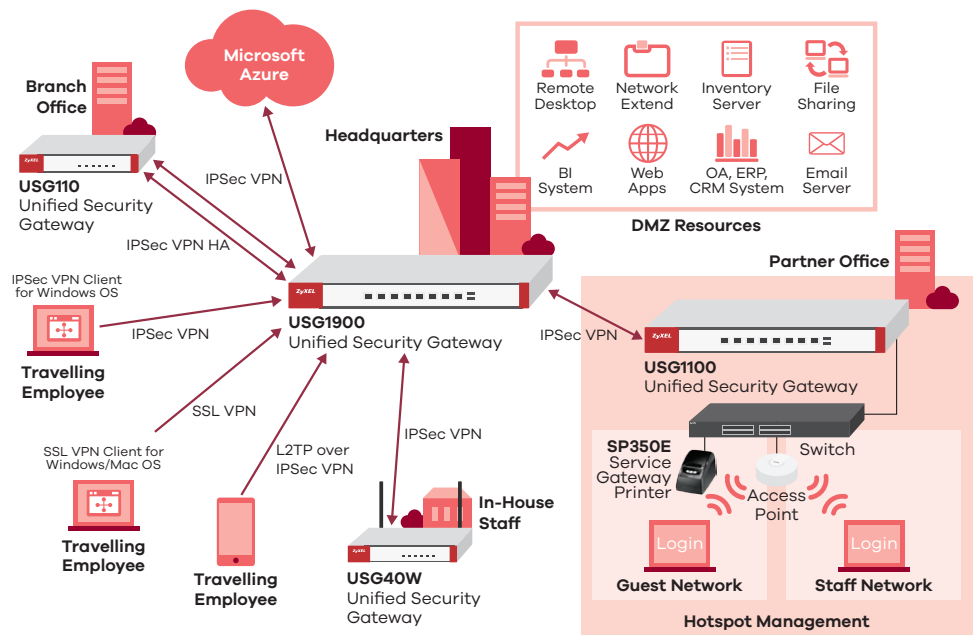
## Anti-malware protection and application optimization

- Enabling Anti-Virus, Anti-Spam and Intrusion Prevention, business networks gain deep, extensive protection against all types of malware threats
- Content Filtering 2.0 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 Zyxel USGs/ZyWALLs for site-to-site IPsec VPN connections
- Branch offices can additionally deploy IPsec VPN HA (load balancing and failover) for always online VPN connectivity
- Remote users can securely access company resources with their computers or smartphones via SSL, IPsec and L2TP over IPsec VPN
- The headquarter USG/ZyWALL can also establish an IPsec VPN connection with Microsoft Azure for secured access to a variety of cloud-based applications



# Specifications

Model	USG60	USG60W	USG40	USG40W
<b>Product photo</b>				
<b>Hardware Specifications</b>				
<b>10/100/1000 Mbps RJ-45 ports</b>	4 x LAN/DMZ, 2 x WAN	4 x LAN/DMZ, 2 x WAN	3 x LAN/DMZ, 1 x WAN, 1 x OPT	3 x LAN/DMZ, 1 x WAN, 1 x OPT
<b>USB ports</b>	2	2	1	1
<b>Console port</b>	Yes (DB9)	Yes (DB9)	Yes (RJ-45)	Yes (RJ-45)
<b>Rack-mountable</b>	Yes	Yes	-	-
<b>Fanless</b>	Yes	Yes	Yes	Yes
<b>System Capacity &amp; Performance<sup>1</sup></b>				
<b>SPI firewall throughput (Mbps)<sup>2</sup></b>	1,000	1,000	400	400
<b>VPN throughput (Mbps)<sup>3</sup></b>	180	180	100	100
<b>IDP throughput (Mbps)<sup>4</sup></b>	120	120	55	55
<b>AV throughput (Mbps)<sup>4</sup></b>	90	90	50	50
<b>UTM throughput (AV and IDP)<sup>4</sup></b>	90	90	50	50
<b>Concurrent devices (default/max.)<sup>5</sup></b>	128	128	64	64
<b>Max. TCP concurrent sessions<sup>6</sup></b>	100,000	100,000	50,000	50,000
<b>Max. concurrent IPsec VPN tunnels<sup>7</sup></b>	40	40	20	20
<b>Concurrent SSL VPN user no. (default/max.)<sup>8</sup></b>	5/20	5/20	5/15	5/15
<b>Customizable zones</b>	Yes	Yes	Yes	Yes
<b>IPv6 support</b>	Yes	Yes	Yes	Yes
<b>VLAN interface</b>	16	16	8	8
<b>WLAN Management</b>				
<b>AP Controller (APC) support</b>	Yes	Yes	Yes	Yes
<b>Managed AP number (default/max.)<sup>9</sup></b>	2/18	2/18	2/18	2/18
<b>Key Software Features</b>				
<b>Firewall</b>	Yes	Yes	Yes	Yes
<b>Virtual private network (VPN)</b>	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)
<b>Bandwidth Management</b>	Yes	Yes	Yes	Yes
<b>Logging and Monitoring</b>	Yes	Yes	Yes	Yes
<b>Unified Security Policy</b>	Yes	Yes	Yes	Yes
<b>Easy Mode</b>	Yes	Yes	Yes	Yes
<b>Cloud Helper</b>	Yes	Yes	Yes	Yes

Model	USG60	USG60W	USG40	USG40W	
<b>License Service</b>					
<b>Anti-Virus (AV)</b>	Yes	Yes	Yes	Yes	
<b>Intrusion detection and prevention (IDP) &amp; Application Patrol</b>	Yes	Yes	Yes	Yes	
<b>Anti-Spam</b>	Yes	Yes	Yes	Yes	
<b>Content filtering (CF2.0)<sup>*10</sup></b>	Yes	Yes	Yes	Yes	
<b>Power Requirements</b>					
<b>Power input</b>	12 V DC, 3.0 A max.	12 V DC, 3.0 A max.	12 V DC, 2.0 A max.	12 V DC, 2.0 A max.	
<b>Max. power consumption (watt)</b>	19.0	28.0	14.0	17.0	
<b>Heat dissipation (BTU/hr)</b>	64.83	95.54	47.77	58.01	
<b>Physical Specifications</b>					
<b>Item</b>	<b>Dimensions (WxDxH) (mm/in.)</b>	242 x 175 x 36/ 9.53 x 6.89 x 1.42	272 x 171 x 36/ 10.71 x 6.73 x 1.42	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>	1.25/2.76	1.46/3.23	0.89/1.96	0.91/2
<b>Packing</b>	<b>Dimensions (WxDxH) (mm/in.)</b>	394 x 240 x 101/ 15.51 x 9.45 x 3.98	427 x 247 x 73/ 16.81 x 9.72 x 2.87	381 x 216 x 79/ 15.00 x 8.50 x 3.11	381 x 216 x 79/ 15.00 x 8.50 x 3.11
	<b>Weight (kg/lb.)</b>	2.25/4.96	2.23/4.92 (without bracket) 2.42/5.34 (with bracket)	1.57/3.46	1.63/3.59
<b>Included accessories</b>	<ul style="list-style-type: none"> <li>• Power adapter</li> <li>• Rack mounting kit</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter</li> <li>• Rack mounting kit (optional, by regions)</li> <li>• Antenna</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter</li> <li>• DB9 - RJ-45 cable for console connection</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter</li> <li>• DB9 - RJ-45 cable for console connection</li> <li>• Antenna</li> </ul>	
<b>Environmental Specifications</b>					
<b>Oper- rating</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)
	<b>Humidity</b>	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
<b>Storage</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)
	<b>Humidity</b>	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
<b>MTBF (hr)</b>	815,463.9	497,644	414,329.4	386,931.7	
<b>Certifications</b>					
<b>EMC</b>	FCC Part 15 (Class B), CE EMC (Class B), C-Tick (Class B), BSMI	FCC Part 15 (Class B), CE EMC (Class B), C-Tick (Class B), BSMI	FCC Part 15 (Class B), CE EMC (Class B), C-Tick (Class B), BSMI	FCC Part 15 (Class B), CE EMC (Class B), C-Tick (Class B), BSMI	
<b>Safety</b>	LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI	

Note:

\* This matrix with firmware ZLD 4.20 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: AV and IDP throughput measured using the industry standard HTTP performance test (1,460-byte HTTP packets). Testing done with multiple flows.

\*5: With Zyxel Device Upgrade License, this is the recommend maximum number of concurrent logged-in devices.

\*6: Maximum sessions measured while UTM disabled using the industry standard IXIA 1xLoad testing tool.

\*7: Including Gateway-to-Gateway and Client-to-Gateway.

\*8: With Zyxel SSL VPN License, this is the recommend maximum number of concurrent VPN users.

\*9: With Zyxel AP Controller License, this is the recommend maximum AP capacity of concurrent users.

\*10: SafeSearch function in CF2.0 need to enable SSL Inspection firstly and not for small business models.

## Wireless Specifications

Model		USG60W	USG40W
<b>Standard compliance</b>		802.11 a/b/g/n	802.11 b/g/n
<b>Wireless frequency</b>		Concurrent 2.4 & 5 GHz	2.4 GHz
<b>Radio</b>		2	1
<b>SSID number</b>		16	8
<b>Maximum transmit power (Max. total channel)</b>	<b>US (FCC) 2.4 GHz</b>	24.3 dBm, 2 antennas	24.3 dBm, 2 antennas
	<b>US (FCC) 5 GHz</b>	25.8 dBm, 2 antennas	-
	<b>EU (ETSI) 2.4 GHz</b>	18.6 dBm (EIRP), 2 antennas	19.6 dBm (EIRP), 2 antennas
	<b>EU (ETSI) 5 GHz</b>	28.4 dBm (EIRP), 2 antennas	-
<b>No. of antenna</b>		2.4 GHz: 2T2R MIMO 5 GHz: 2T2R MIMO (Detachable, SMA-R)	2.4 GHz: 2T2R MIMO (Detachable, SMA-R)
<b>Antenna gain</b>		3 dBi	3 dBi
<b>Data rate</b>		802.11 b/g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps 802.11a: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps 802.11n: up to 300 Mbps in MCS15 (40 MHz; GI = 400 ns)	802.11 b/g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps 802.11n: up to 300 Mbps in MCS15 (40 MHz; GI = 400 ns)
<b>Receive sen-sitivity</b>	<b>2.4 GHz</b>	11 Mbps ≤ -87 dBm 54 Mbps ≤ -74 dBm HT20 ≤ -71 dBm HT40 ≤ -68 dBm	11 Mbps ≤ -87 dBm 54 Mbps ≤ -74 dBm HT20, MCS15 ≤ -71 dBm HT40, MCS15 ≤ -68 dBm
	<b>5 GHz</b>	54 Mbps ≤ -75 dBm HT20, MCS15 ≤ -71 dBm HT40, MCS15 ≤ -69 dBm	-

## Features Set

### Software Features

#### Firewall

- ICSA-certified 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
- RPS-enabled for desirable performance in chaotic environments

#### IPv6 Support

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

- IPv6 addressing
- DNS
- DHCPv6
- Bridge
- VLAN
- PPPoE
- Static routing
- Policy routing
- Session control
- Firewall and ADP
- IPsec VPN
- Intrusion Detection and Prevention (IDP)
- Application Patrol
- Content Filtering 2.0
- Anti-Virus, Anti-Malware
- Anti-Spam

#### IPsec VPN

- Authentication: SHA-2 (512-bit), SHA-1 and MD5

- Encryption: AES (256-bit), 3DES and DES
- 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



### 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

### Intrusion Detection and Prevention (IDP)

- Routing and transparent (bridge) mode
- Signature-based and behavior-based scanning
- Automatic signature updates
- Customizable protection profile
- Customized signatures supported

### Application Patrol

- Granular control over the most important applications
- Identifies and controls application behavior
- Supports over 15 application categories
- Application bandwidth management
- Supports user authentication
- Real-time statistics and reports
- IDP/ADP support on social networks such as likes and posts on Facebook

### Anti-Virus

- Supports Kaspersky Anti-Virus signatures
- Identifies and blocks over 650,000 viruses
- Stream-based Anti-Virus engine
- HTTP, FTP, SMTP, POP3 and IMAP4 protocol support
- Automatic signature updates
- No file size limitation

### Anti-Spam

- Transparent mail interception via SMTP and POP3 protocols
- Configurable POP3 and SMTP ports
- Sender-based IP reputation filter
- Recurrent Pattern Detection (RPD) technology
- Zero-hour virus outbreak protection
- X-Header support
- Blacklist and whitelist support
- Supports DNSBL checking
- Spam tag support
- Statistics report

### Content Filtering 2.0

- Social media filtering
- Malicious Website filtering
- URL blocking and keyword blocking
- Blacklist and whitelist support

- Blocks java applets, cookies and ActiveX
- Dynamic, cloud-based URL filtering database
- Unlimited user license support
- Customizable warning messages and redirection URL
- HTTPs Domain filtering
- GeoIP Blocking
- Monitors traffics based on country policy
- URL blocking and keyword blocking

### Unified Security Policy

- Unified policy management interface
- Supported UTM features: Anti-Virus, Anti-Spam, IDP, Content Filtering 2.0, Application Patrol, firewall (ACL)
- 3-tier configuration: object-based, profile-based, policy-based
- Policy criteria: zone, source and destination IP address, user, time
- Pre-defined UTM profiles for different user groups

### WLAN Management

- Support AP Controller (APC) version 1.97
- Wireless L2 isolation
- Supports auto AP FW update
- Scheduled Wi-Fi 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
- Wi-Fi Multimedia (WMM) wireless QoS
- CAPWAP discovery protocol

### Mobile Broadband

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

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

### 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

### Authentication

- Local 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

### System Management

- Authentication: SHA-2 (512-bit), SHA-1 and MD5
- 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

### Logging and Monitoring

- Comprehensive local logging
- Syslog (to up to 4 servers)
- Email alerts (to up to 2 servers)
- Real-time traffic monitoring
- Built-in daily report
- Advanced reporting with Vantage Report

### 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

## Services

### Security

Product	Kaspersky Anti-Virus	IDP & Application Patrol	Content Filtering 2.0	Anti-Spam
<b>USG60/60W</b>	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years
<b>USG40/40W</b>	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years

Notes:

1. Zyxel USGs can be purchased with bundled 12-month standard license (Anti-Virus, Anti-Spam, Content Filtering and IDP) 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*1	IPSec VPN Client	Managed APs	Vantage Report
<b>USG60/60W</b>	Add 5/10 Tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)	Add 4/8 APs	For 1/5/25/100 device(s)
<b>USG40/40W</b>	Add 5/10 Tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)	Add 4/8 APs	For 1/5/25/100 device(s)

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

## Access Point Compatibility List

Series	NWA5120 Series	NWA5000 Series	NWA3000-N Series	WAC6500 Series
	Unified Access Point	Managed Access Point	Unified Pro Access Point	Unified Pro Access Point
<b>Models</b>	NWA5121-NI NWA5121-N NWA5123-NI NWA5301-NJ NWA5123-AC	NWA5160N NWA5560-N NWA5550-N	NWA3160-N NWA3560-N NWA3550-N	WAC6503D-S WAC6502D-S WAC6502D-E WAC6553D-E WAC6103D-I
<b>Functions</b>				
<b>Central management</b>	Yes	Yes	Yes	Yes
<b>Auto provisioning</b>	Yes	Yes	Yes	Yes
<b>Data forwarding</b>	Local bridge	Local bridge	Local bridge	Local bridge

## 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 device and USG/ZyWALL Series with lite setup for Windows and MAC OS	<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>

Notes:

1. 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.
2. SSL VPN client for Windows OS can be downloaded from official Zyxel website. It does not require a license key to activate the application.

# ZYXEL

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Datasheet [USG60/60W/40/40W](#)



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