ZYXEL

ZyWALL USG40/40W/60/60W

Unified Security Gateway

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 ZyWALL USG40/40W/60/60W are all-in-one UTM firewalls 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 UTM Firewall for small businesses

- Complete network protection with Anti-Virus, Anti-Spam, Contetnt 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

- Facebook WiFi, Intelligence social media authentication

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Benefits

Peace of mind security

The ZyWALL USG40/40W/60/60W delivers enterprise-grade UTM 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.

WiFi where you need it

Addressing the trend of BYOD, ZyWALL USG Series helps small businesses provide WiFi wherever there is demand. The USG40W and USG60W feature built-in single-radio and dual-radio wireless access points that can provide WiFi 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 WiFi in multiple other areas like reception areas and meeting rooms when WiFi 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. 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.

Simplified management procedure

Managing complex configuration settings can be confusing and time-consuming. ZyWALL USG 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. ZyWALL USG 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 netw ork 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 ZyWALL USG Series and VPN 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.

ZyWALL USG Series Quick Finder

Model	USG40/40W	USG60/60W	USG110	USG210	USG310	USG1100	USG1900
Description	SB		SMB			SMB	
Firewall throughput (Mbps)	400	1,000	1,600	1,900	5,000	6,000	7,000
Max. concurrent sessions	50,000	100,000	150,000	200,000	500,000	1,000,000	1,000,000
UTM throughput (AV and IDP) (Mbps)	50	90	450	500	550	650	710
IDP throughput (Mbps)	95	150	590	660	900	1000	1200
AV throughput (Mbps)	50	90	450	500	550	650	710
Amazon VPC[1]	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device HA Pro	-	-	Yes[2]	Yes[2]	Yes[2]	Activate once registered	Activate once registered
Hotspot Management[2]	-	-	Yes	Yes	Yes	Yes	Yes
Facebook WiFi	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SecuDeployer[3] (Client/Server[2])	Client / -	Client/-	Client/Server	Client/Server	- /Server	- /Server	- /Server

*1: ZyWALL/USG still be able to support by CLIs
*2: With Zyxel service license to enable or extend the feature capacity
*3: SecuDeployer supports in firmware ZLD4.31

Subscription Services

The ZyWALL USG40/40W/60/60W 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**   **Content Filtering 2.0**

Feature Highlights

Built-in Wireless AP

Built with single-radio and dual-radio wireless access points, the ZyWALL USG40W and USG60W are ideal for retail and office environments. The USG60W integrates 802.11 a/b/g/n technology that delivers WiFi 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 WiFi APs, switches and gateways.

Fanless

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

Dual-WAN & Mobile Broadband

The ZyWALL USG 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

ZyWALL USG Series 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 ZyWALL USG Series 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. ZyWALL USG40/40W/60/60W 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.
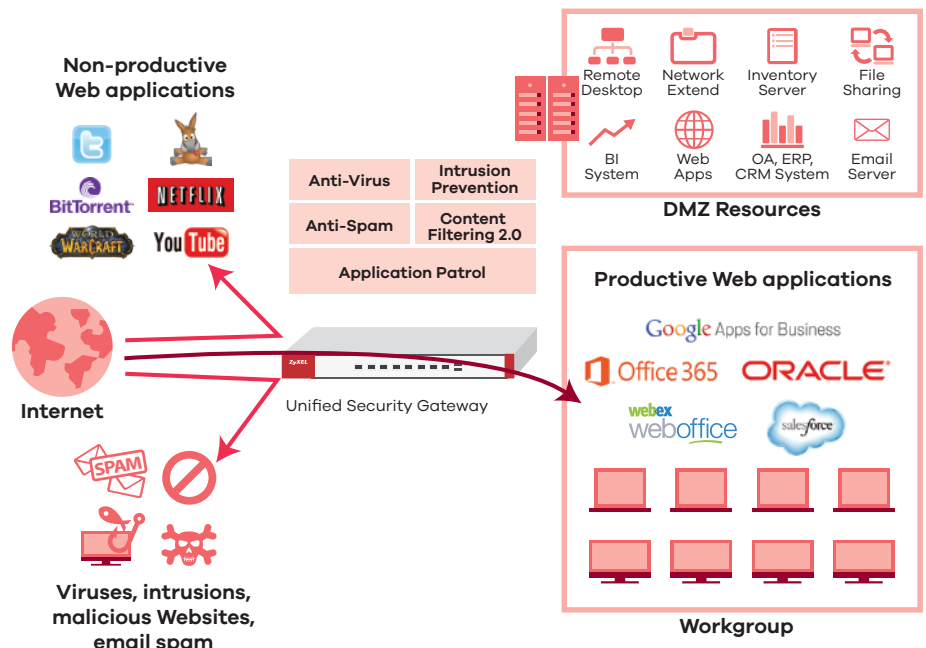
Easy Mode

The ZyWALL USG 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.
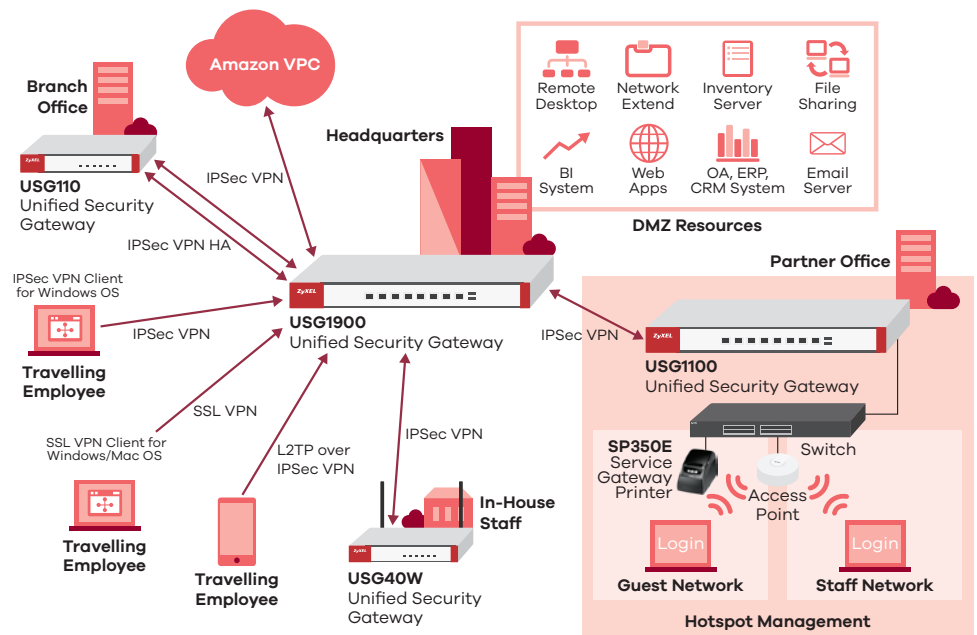
Application Diagram

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

Non-productive Web applications

Anti-Virus	Intrusion Prevention
Anti-Spam	Content Filtering 2.0
Application Patrol	

Unified Security Gateway

Internet

Viruses, intrusions, malicious Websites, email spam

DMZ Resources

Remote Desktop · Network Extend · Inventory Server · File Sharing
BI System · Web Apps · OA, ERP, CRM System · Email Server

Productive Web applications

Google Apps for Business
Office 365 · ORACLE
webex weboffice · salesforce

Workgroup

VPN application

- Branch offices, partners and home users can deploy ZyWALL Firewalls for site-to-site IPSec VPN connections
- Branch offices can additional 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 ZyWAL USGs can also establish an IPSec VPN connection with Amazon VPC for secured access to a variety of cloud-based applications

Branch Office

USG110 Unified Security Gateway

Amazon VPC

Headquarters

IPSec VPN

IPSec VPN HA

USG1900 Unified Security Gateway

IPSec VPN Client for Windows OS

IPSec VPN

Travelling Employee

SSL VPN Client for Windows/Mac OS

SSL VPN

Travelling Employee

L2TP over IPSec VPN

Travelling Employee

USG40W Unified Security Gateway

IPSec VPN

In-House Staff

DMZ Resources

Remote Desktop · Network Extend · Inventory Server · File Sharing
BI System · Web Apps · OA, ERP, CRM System · Email Server

IPSec VPN

Partner Office

USG1100 Unified Security Gateway

SP350E Service Gateway Printer

Switch

Access Point

Login — **Guest Network**

Login — **Staff Network**

Hotspot Management

Specifications

Model	USG40	USG40W	USG60	USG60W
Product photo				
Hardware Specifications				
Interfaces	3 x LAN/DMZ, 1 x WAN, 1 x OPT	3 x LAN/DMZ, 1 x WAN, 1 x OPT	4 x LAN/DMZ, 2 x WAN	4 x LAN/DMZ, 2 x WAN
USB ports	1	1	2	2
Console port	Yes (RJ-45)	Yes (RJ-45)	Yes (DB9)	Yes (DB9)
Rack-mountable	-	-	Yes	Yes
Fanless	Yes	Yes	Yes	Yes
System Capacity & Performance[*1]				
SPI firewall throughput (Mbps)[*2]	400	400	1000	1000
VPN throughput (Mbps)[*3]	100	100	180	180
IDP throughput (Mbps)[*4]	95	95	150	150
AV throughput (Mbps)[*4]	50	50	90	90
UTM throughput (AV and IDP)[*4]	50	50	90	90
Max. TCP concurrent sessions[*5]	50,000	50,000	100,000	100,000
Max. concurrent IPSec VPN tunnels[*6]	20	20	40	40
Concurrent SSL VPN users (default/max.)[*7]	5/15	5/15	5/20	5/20
VLAN interface	8	8	16	16
Concurrent devices logins (default/max.)[*7*8]	64	64	128	128
WLAN Management				
Managed AP number (default/max.)[*7]	2/18	2/18	2/18	2/18
Security Service				
Anti-Virus (AV)[*7]	Yes	Yes	Yes	Yes
Intrusion Detection and Prevention (IDP) & Application Patrol[*7]	Yes	Yes	Yes	Yes
Anti-Spam[*7]	Yes	Yes	Yes	Yes
Content Filtering (CF 2.0)[*7*9]	Yes	Yes	Yes	Yes
Key Features				
VPN	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec
SSL (HTTPS) inspection	-	-	-	-
EZ Mode	Yes	Yes	Yes	Yes
Hotspot Management[*7]	-	-	-	-
Ticket printer support[*10] / Support Q'ty (max.)	-	-	-	-
SecuDeployer (Client/Server[*7])	Client / -	Client / -	Client / -	Client / -

Model	USG40	USG40W	USG60	USG60W
Amazon VPC	Yes	Yes	Yes	Yes
Facebook WiFi	Yes	Yes	Yes	Yes
Device HA Pro	-	-	-	-
Link Aggregation (LAG)	-	-	-	-
Power Requirements				
Power input	12V DC, 2.0 A max.	12V DC, 2.0 A max.	12V DC, 2.5 A max.	12V DC, 2.5 A max.
Max. power consumption (watt)	14	17	19	28
Heat dissipation (BTU/hr)	47.77	58.01	64.83	95.54
Physical Specifications				
Item — Dimensions (WxDxH) (mm/in.)	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	242 x 175 x 36/ 9.53 x 6.89 x 1.42	272 x 187 x 36/ 10.7 x 7.36 x 1.42
Item — Weight (kg/lb.)	0.89/1.96	0.91/2	1.25/2.76	1.46/3.23
Packing — Dimensions (WxDxH) (mm/in.)	381 x 261 x 79/ 15.00 x 8.50 x 3.11	381 x 261 x 79/ 15.00 x 8.50 x 3.11	394 x 240 x 101/ 15.51 x 9.45 x 3.98	427 x 247x 73/ 16.81 x9.72 x 2.87
Packing — Weight (kg/lb.)	1.57/3.46	1.63/3.59	2.25/4.96	2.23 (W/O bracket) 2.42 (W/ bracket)
Included accessories	• Power adapter • DB9- RJ-45 for console connection	• Power adapter • DB9- RJ-45 for console connection • Antenna	• Power adapter • Rack mounting kit	• Power adapter • Rack mounting kit (optional, by regions) • Antenna
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)	0°C to 40°C (32°F to 104°F)
Operating — Humidity	10% to 90% (non-condensing)	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)	-30°C to 70°C (-22°F to 158°F)
Storage — Humidity	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
MTBF (hr)	414329.4	386931.7	815463.9	497644
Certifications				
EMC	FCC Part 15 (Class B), CE EMC (Class B), C-Tick (Class B), BSMI	FCC Part 15 (Class A), CE EMC (Class A), C-Tick (Class A), BSMI	FCC Part 15 (Class B), CE EMC (Class B), C-Tick (Class B), BSMI	FCC Part 15 (Class A), CE EMC (Class A), C-Tick (Class A), BSMI
Safety	LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI	LVD (EN60950-1), BSMI

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

*10: With Hotspot Management license support.

Wireless Specifications

Model		USG40W	USG60W
Standard compliance		802.11 b/g/n	802.11 a/b/g/n
Wireless frequency		2.4 GHz	Concurrent 2.4 & 5 GHz
Radio		1	2
SSID number		8	16
Maximum transmit power (Max. total channel)	US (FCC) 2.4 GHz	24.3 dBm, 2 antennas	24.3 dBm, 2 antennas
	US (FCC) 5 GHz	-	25.8 dBm, 2 antennas
	EU (ETSI) 2.4 GHz	19.6 dBm(EIRP), 2 antennas	18.6 dBm(EIRP), 2 antennas
	EU (ETSI) 5 GHz	-	28.4 dBm(EIRP), 2 antennas
No. of antenna		2.4 GHz: 2T2R MIMO (Detachable, SMA-R)	2.4 GHz: 2T2R MIMO 5 GHz: 2T2R MIMO (Detachable, SMA-R)
Antenna gain		3 dBi	3 dBi
Data rate		802.11b/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)	802.11b/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)
Frequency Band	2.4 GHz (IEEE 802.11 b/g/n)	USA (FCC) : 2.412 to 2.462 GHz Europe (ETSI) : 2.412 to 2.472 GHz TWN (NCC) : 2.412 to 2.462 GHz	USA (FCC) : 2.412 to 2.462 GHz Europe (ETSI) : 2.412 to 2.472 GHz TWN (NCC) : 2.412 to 2.462 GHz
	5 GHz (IEEE 802.11 a/n)	-	USA (FCC) : 5.150 to 5.250 GHz; 5.725 to 5.850 GHz Europe (ETSI) : 5.15 to 5.35 GHz; 5.470 to 5.725 GHz TWN (NCC) : 5.25 to 5.35 GHz; 5.725 to 5.850 GHz
Receive sensitivity	2.4 GHz	11 Mbps ≤ -87 dBm 54 Mbps ≤ -77 dBm HT20, MCS15 ≤ -71 dBm HT40, MCS15 ≤ -68 dBm	11 Mbps ≤ -87 dBm 54 Mbps ≤ -74 dBm HT20 ≤ -71 dBm HT40 ≤ -68 dBm
	5 GHz	-	* 54 Mbps ≤ -75 dBm * HT20, MCS15 ≤ -71 dBm * HT40, MCS15 ≤ -69 dBm

Features Set

Software Features

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
- 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
- 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
- Support iOS L2TP/IKE/IKEv2 VPN Client provision

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 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 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

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
- BGP

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
- 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	Anti-Virus	Application Patrol & IDP	Content Filtering 2.0	Anti-Spam
USG40/40W	1 year/2 years	1 year/2 years	1 year/2 years	1 year/2 years
USG60/60W	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
USG40/40W	Add 5/10 Tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)	Add 2/4/8 APs	For 1/5/25/100 device(s)
USG60/60W	Add 5/10 Tunnels	For 1/5/10 client(s)	For 1/5/10/50 client(s)	Add 2/4/8 APs	For 1/5/25/100 device(s)

*1: Support OS: MAC OS 10.7 or later

Access Point Compatibility List

Product	Unified AP		Unified Pro AP	
Models	• NWA5121-NI • NWA5121-N • NWA5123-NI • NWA5301-NJ	• NWA5123-AC • WAC5302D-S • Forward Compatible APs*	• WAC6502D-E • WAC6502D-S • WAC6503D-S	• WAC6553D-E • WAC6103D-I • Forward Compatible APs*
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 XP (32-bit) • Windows Server 2003 (32-bit) • Windows Server 2008 (32/64-bit) • Windows Vista (32/64-bit) • 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 XP • Windows 7 (32/64-bit) • Windows 8/8.1 (32/64-bit) • Windows 10 (32/64-bit) • MAC OS 10.7 or later

Notes:

*: 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.

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Datasheet ZyWALL USG40/40W/60/60W

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