

ZyXEL



Quick Sales Guide

Security

ZyXEL Security Solutions

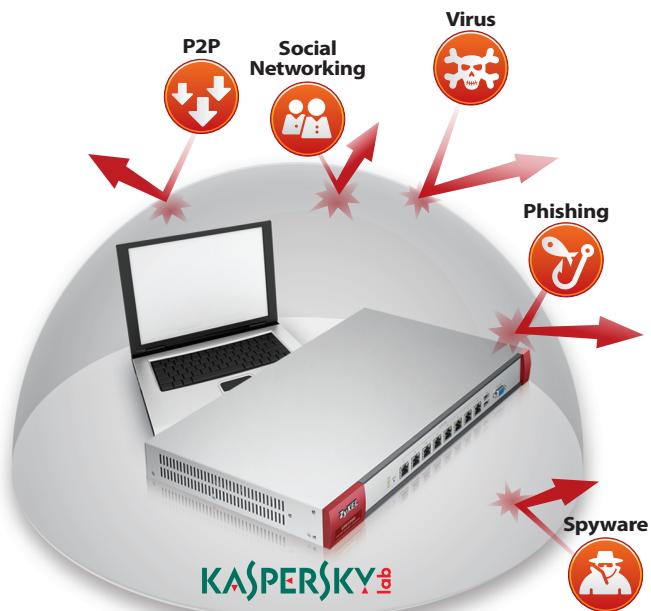
Network Security that Works

Businesses deploy network security appliances for two main purposes: to protect company resources against a multitude of threats and to enable secured communications between multiple locations via Virtual Private Network (VPN). For many years, ZyXEL's highly-acclaimed Unified Security Gateway (USG) Series has helped businesses satisfy all these demands. Fortifying businesses against a new generation of threats, ZyXEL is offering a new line of Next Generation Unified Security Gateways that deliver unmatched capacity, performance and protection for businesses of all sizes.

On the other hand, business operations today are more mobile, more global, and more dynamic than ever. This, combined with the use of advanced or bandwidth consuming applications in the workplace, has created great demand for even faster VPN and firewall performance. To satisfy this demand, ZyXEL has introduced the all-new ZyWALL Series VPN Firewalls. ZyXEL's new ZyWALL VPN Firewalls are business-grade VPN gateways fine-tuned to deliver the fastest VPN and firewall performance for the most performance-demanding deployments.

Next Generation USG Series

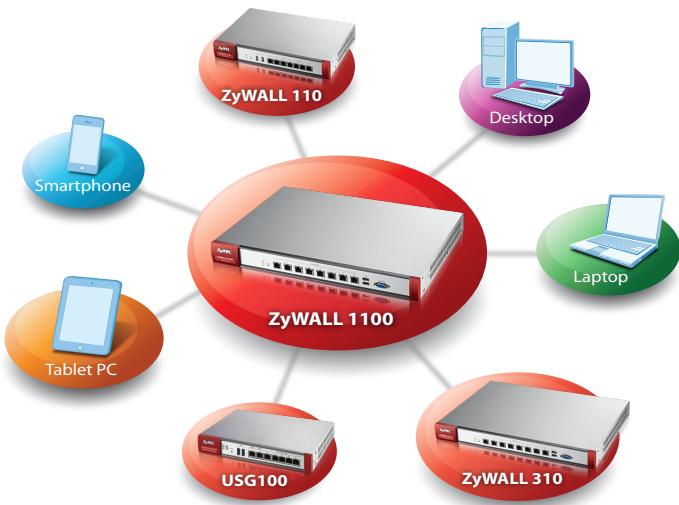
Next generation security and application intelligence



- Next Generation Firewall (NGFW) solution
- VPN connectivity
- Firewall
- Anti-virus
- Anti-spam
- Content filtering
- Intrusion Detection and Prevention (IDP)
- Application intelligence and control
- Integrated WLAN controller

ZyWALL Series

Fine-tuned for ultra-fast VPN performance



- Purpose-built VPN gateway solution
- Ultra-fast VPN connectivity
- Ultra-fast firewall performance

Security Quick Finder

Product Category	Model
Next Generation Unified Security Gateway	USG1900 USG1100
	USG310 USG210 USG110
	USG60W USG60 USG40W USG40
Unified Security Gateway	USG2000 USG1000 USG300
	USG200 USG100-PLUS USG100 USG50 USG20W USG20
ZyWALL VPN Firewall	ZyWALL 1100 ZyWALL 310 ZyWALL 110
Software and Accessories	ZyWALL OTPv2 OTP-MOBI
	Vantage Report
	Vantage CNM
ZyWALL IPSec VPN Client	ZyWALL IPSec VPN Client

Key Features

Product Category	Model	Customer Needs	Key Features
Next Generation Unified Security Gateway	USG1900 USG1100	High-performance Next Generation Firewall (NGFW) with Application Intelligence, VPN and built-in WLAN controller	<ul style="list-style-type: none"> Ultra-high performance Next Generation Firewall (NGFW) for medium to large businesses Enhanced manageability with unified security policy and Single Sign-On (SSO) support Multi-threat protection with firewall, Kaspersky anti-virus, anti-spam, content filtering, IDP, next-generation application intelligence, and SSL inspection Robust SSL, IPSec and L2TP over IPsec VPN connectivity Built-in WLAN controller for centralized AP management and effortless WLAN scalability
	USG310 USG210 USG110	Medium-scale Next Generation Firewall (NGFW) with Application Intelligence, VPN and built-in WLAN controller	<ul style="list-style-type: none"> Mid-range Next Generation Firewall (NGFW) for small and medium-sized businesses Comprehensive 3G USB dongle compatibility and multi-WAN load-balancing, failover and fall back support Built-in WLAN controller for centralized AP management and effortless WLAN scalability Multi-threat protection with firewall, Kaspersky anti-virus, anti-spam, content filtering, IDP, next-generation application intelligence, and SSL inspection Robust SSL, IPSec and L2TP over IPsec VPN connectivity
	USG60W USG60 USG40W USG40	Desktop Next Generation Firewall (NGFW) with integrated wireless AP (USG60W and USG40W) and built-in WLAN controller	<ul style="list-style-type: none"> Desktop Next Generation Firewall (NGFW) for small businesses Integrated single-radio (USG40W) or dual-radio (USG60W) wireless access point Multi-threat protection with firewall, Kaspersky anti-virus, anti-spam, content filtering, IDP, and next-generation application intelligence Robust SSL, IPSec and L2TP over IPsec VPN connectivity Built-in WLAN controller for centralized AP management and effortless WLAN scalability
Unified Security Gateway	USG2000 USG1000 USG300	Medium- to large-scale Unified Threat Management (UTM) solution with multi-threat protection and VPN connectivity	<ul style="list-style-type: none"> High performance and comprehensive protection Supports IPsec, SSL and L2TP over IPsec VPN Zero-configuration remote access with Easy VPN Dynamic, real-time threat prevention and protection High Availability (HA) ensures non-stop business operations
	USG200 USG100-PLUS USG100 USG50 USG20W USG20	All-in-one Unified Threat Management (UTM) solution with multi-threat protection and VPN connectivity for small businesses	<ul style="list-style-type: none"> Robust security without sacrificing performance Comprehensive support for IPv6 Robust hybrid VPN (IPSec, SSL, L2TP over IPsec) Zero-configuration remote access with Easy VPN ICSA firewall and IPsec VPN certification
ZyWALL VPN Firewall	ZyWALL 1100 ZyWALL 310 ZyWALL 110	Ultra-fast VPN connectivity for distributed VPN deployments	<ul style="list-style-type: none"> Multi-core CPUs deliver up to 3.6 Gbps firewall throughput and 800 Mbps VPN throughput More secure VPN connections with SHA-2 encryption VPN High Availability (HA) with dual-WAN failover and fall back support L2TP over IPsec support for iOS, Android and Windows mobile devices Auto-provisioned client-to-site IPsec setup with Easy VPN
Software and Accessories	ZyWALL OTPv2 OTP-MOBI	One-Time Password (OTP) solution for strengthened identification check and data theft prevention	<ul style="list-style-type: none"> Deploys easily and quickly Intuitive and easy to install, use and manage Seamless integration with USG and ZyWALL Security products Highly secure and straightforward implementation using SafeWord 2008 Smartphone Apps as the One-Time Password software generator (OTP-MOBI)
	Vantage Report	Quick and convenient reporting system for multiple ZyXEL security appliances	<ul style="list-style-type: none"> Comprehensive set of graphical reports Web-based user interface (browser based application) Intuitive design and easy to use Multi-USG and ZyWALL series support Automated report scheduling
	Vantage CNM	Centralized configuration, analysis and supervision of distributed network components	<ul style="list-style-type: none"> Central management One-click VPN creation and graphical VPN management Mass firewall ACL policy deployment and management Bulk firmware upgrade and management Intuitive device and account monitoring
	ZyWALL IPsec VPN Client	An easy way for mobile employees to connect to corporate networks with laptop computers	<ul style="list-style-type: none"> Windows 8 support IPsec VPN Tunneling with DES/3DES/AES encryption User authentication with X-Auth, PEM or PKCS#12 Certificates, pre-shared keys DPD and redundant gateway

Security Feature Matrix

Next Generation Unified Security Gateway

Model	Extreme Series		Advanced Series		
	USG1900	USG1100	USG310	USG210	USG110
Hardware Specifications					
10/100/1000 Mbps RJ-45 ports	8 (configurable)	8 (configurable)	8 (configurable)	4 x LAN/DMZ, 2 x WAN, 1 x OPT	4 x LAN/DMZ, 2 x WAN, 1 x OPT
USB ports	2	2	2	2	2
Console port	Yes (DB9)	Yes (DB9)	Yes (DB9)	Yes (DB9)	Yes (DB9)
Rack-mountable	Yes	Yes	Yes	Yes	Yes
System Capacity & Performance^{*1}					
SPI firewall throughput (Mbps) ^{*2}	7,000	6,000	5,000	1,900	1,600
VPN throughput (Mbps) ^{*3}	900	800	650	500	400
IDP throughput (Mbps) ^{*4}	650	550	450	350	300
AV throughput (Mbps) ^{*4}	600	500	400	300	250
UTM throughput (AV and IDP) ^{*4}	600	500	400	300	250
Unlimited user licenses	Yes	Yes	Yes	Yes	Yes
Max. TCP concurrent sessions ^{*5}	500,000	300,000	100,000	80,000	60,000
New TCP session rate	12,000	12,000	12,000	3,500	3,500
Max. UTM (AV and IDP) concurrent sessions ^{*5}	500,000	300,000	100,000	80,000	60,000
Max. concurrent IPSec VPN tunnels	2,000	1,000	300	200	100
Max. concurrent SSL VPN users	755	255	105	50	25
Included SSL VPN user no.	55	55	25	10	5
Customizable zones	Yes	Yes	Yes	Yes	Yes
IPv6 support	Yes	Yes	Yes	Yes	Yes
VLAN interface	128	128	64	32	16
WLAN Management					
AP controller (APC) ver.	1.0	1.0	1.0	1.0	1.0
Managed AP number (default/max.)	2/18	2/18	2/18	2/18	2/18
Wireless Specifications					
Standard compliance	-	-	-	-	-
Wireless frequency	-	-	-	-	-
Radio	-	-	-	-	-
SSID number	-	-	-	-	-
Max. transmit power (Max. total channel)	US (FCC) 2.4 GHz US (FCC) 5 GHz EU (ETSI) 2.4 GHz EU (ETSI) 5 GHz	- - - -	- - - -	- - - -	- - - -
No. of antenna	-	-	-	-	-
Antenna gain	-	-	-	-	-
Data rate	-	-	-	-	-
Receive sensitivity	2.4 GHz 5 GHz	- -	- -	- -	- -
Key Software Features					
Virtual Private Network (VPN)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)
Firewall	Yes	Yes	Yes	Yes	Yes
Anti-Virus (AV)	Yes	Yes	Yes	Yes	Yes
Anti-spam	Yes	Yes	Yes	Yes	Yes
Content Filtering (CF)	Yes	Yes	Yes	Yes	Yes
Application intelligence and control	Yes	Yes	Yes	Yes	Yes
Intrusion Detection and Prevention (IDP)	Yes	Yes	Yes	Yes	Yes
SSL inspection	Yes	Yes	Yes	Yes	Yes
Single Sign-On (SSO)	Yes	Yes	Yes	Yes	Yes
Power Requirements					
Power input	100 - 240 V AC, 50/60 Hz, 1.3 A max.	100 - 240 V AC, 50/60 Hz, 1.3 A max.	100 - 240 V AC, 50/60 Hz, 1.3 A max.	12 V DC, 3.33 A max.	12 V DC, 3.33 A max.
Max. power consumption (watt)	58.5	58.5	58.5	37.0	37.0
Others					
MTBF (hr)	560,811.5	560,811.5	560,811.5	787,109.3	787,109.3
Physical Specifications					
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	430 x 250 x 44/ 16.93 x 9.84 x 1.73	300 x 178 x 44/ 11.81 x 7 x 1.73	300 x 178 x 44/ 11.81 x 7 x 1.73
Weight (kg/lb.)	3.3/7.28	3.3/7.28	3.3/7.28	2/4.4	2/4.4

Note:

*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.

Next Generation Unified Security Gateway

Model	Performance Series			
	USG60W	USG60	USG40W	USG40
Hardware Specifications				
10/100/1000 Mbps RJ-45 ports	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
USB ports	2	2	1	1
Console port	Yes (DB9)	Yes (DB9)	Yes (RJ-45)	Yes (RJ-45)
Rack-mountable	Yes	Yes	-	-
System Capacity & Performance¹				
SPI firewall throughput (Mbps) ²	1,000	1,000	400	400
VPN throughput (Mbps) ³	180	180	100	100
IDP throughput (Mbps) ⁴	120	120	55	55
AV throughput (Mbps) ⁴	90	90	50	50
UTM throughput (AV and IDP) ⁴	90	90	50	50
Unlimited user licenses	Yes	Yes	Yes	Yes
Max. TCP concurrent sessions ⁵	40,000	40,000	20,000	20,000
New TCP session rate	3,000	3,000	3,000	3,000
Max. UTM (AV and IDP) concurrent sessions ⁵	40,000	40,000	20,000	20,000
Max. concurrent IPSec VPN tunnels	20	20	10	10
Max. concurrent SSL VPN users	12	12	7	7
Included SSL VPN user no.	2	2	2	2
Customizable zones	Yes	Yes	Yes	Yes
IPv6 support	Yes	Yes	Yes	Yes
VLAN interface	16	16	8	8
WLAN Management				
AP controller (APC) ver.	1.0	1.0	1.0	1.0
Managed AP number (default/max.)	2/10	2/10	2/10	2/10
Wireless Specifications				
Standard compliance	802.11 a/b/g/n	-	802.11 b/g/n	-
Wireless frequency	Concurrent 2.4 & 5 GHz	-	2.4 GHz	-
Radio	2	-	1	-
SSID number	16	-	8	-
Maximum transmit power (Max. total channel)	US (FCC) 2.4 GHz US (FCC) 5 GHz EU (ETSI) 2.4 GHz EU (ETSI) 5 GHz	24.3 dBm, 2 antennas 25.8 dBm, 2 antennas 17 dBm, 2 antennas 25.6 dBm, 2 antennas	- - - -	24.3 dBm, 2 antennas - 17 dBm, 2 antennas -
No. of antenna		2.4 GHz: 2T2R MIMO 5 GHz: 2T2R MIMO (Detachable, SMA-R)	-	2.4 GHz: 2T2R MIMO (Detachable, SMA-R)
Antenna gain		3 dBi	-	3 dBi
Data rate		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)	-	802.11b/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)
Receive sensitivity	2.4 GHz 5 GHz	2.4 GHz: 11 Mbps ≤ -87 dBm 54 Mbps ≤ -77 dBm HT20 ≤ -71 dBm HT40 ≤ -68 dBm 5 GHz: 54 Mbps ≤ -75 dBm HT20, MCS15 ≤ -71 dBm HT40, MCS15 ≤ -69 dBm	-	2.4 GHz: 11 Mbps ≤ -87 dBm 54 Mbps ≤ -77 dBm HT20, MCS15 ≤ -71 dBm HT40, MCS15 ≤ -68 dBm
Key Software Features				
Virtual Private Network (VPN)	Yes (IPSec, SSL, L2TP over IPsec)	Yes (IPSec, SSL, L2TP over IPsec)	Yes (IPSec, SSL, L2TP over IPsec)	Yes (IPSec, SSL, L2TP over IPsec)
Firewall	Yes	Yes	Yes	Yes
Anti-Virus (AV)	Yes	Yes	Yes	Yes
Anti-spam	Yes	Yes	Yes	Yes
Content Filtering (CF)	Yes	Yes	Yes	Yes
Application intelligence and control	Yes	Yes	Yes	Yes
Intrusion Detection and Prevention (IDP)	Yes	Yes	Yes	Yes
SSL inspection	-	-	-	-
Single Sign-On (SSO)	Yes	Yes	Yes	Yes
Power Requirements				
Power input	12V DC, 3.0 A max.	12V DC, 3.0 A max.	12V DC, 2.0 A max.	12V DC, 2.0 A max.
Max. power consumption (watt)	28.0	19.0	17.0	14.0
Others				
MTBF (hr)	497,644	815,463.9	386,931.7	414,329.4
Physical Specifications				
Dimensions (WxDxH)(mm/in.)	272 x 186 x 36/10.7 x 7.32 x 1.42	242 x 175 x 36/9.53 x 6.89 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
Weight (kg/lb.)	1.43/3.15	1.25/2.76	0.91/2	0.89/1.96

Unified Security Gateway

Model	Small- and Medium-sized Businesses (SMBs)		
	USG2000	USG1000	USG300
Hardware Specifications			
10/100/1000 Mbps RJ-45 ports	6 (configurable)	5 (configurable)	7 (configurable)
Gigabit combo (SFP/RJ-45) port	2	-	-
USB ports	2	2	2
SEM slot (Security Extension Module)	1	-	-
System Capacity & Performance^{*1}			
SPI firewall throughput (Mbps) ^{*2}	2,000	400	350
VPN throughput (Mbps) ^{*3}	600 (with SEM-DUAL module)	180	130
UTM throughput (AV and IDP) ^{*4}	400 (with SEM-DUAL module)	100	80
Unlimited user licenses	Yes	Yes	Yes
Max. TCP concurrent sessions ^{*5}	1,000,000	500,000	60,000
New TCP session rate	20,000	12,000	1,500
Max. UTM (AV and IDP) concurrent sessions ^{*5}	1,000,000	500,000	60,000
Max. concurrent IPSec VPN tunnels	2,000	1,000	200
Max. concurrent SSL VPN users	750 (with SEM-DUAL module)	250	25
Included SSL VPN user no.	5	5	2
Customizable zones	Yes	Yes	Yes
IPv6 support	Yes	Yes	Yes
Included managed AP no. ^{*6}	-	-	-
Max. managed AP no. ^{*6}	-	-	-
Wireless Specifications			
Standard compliance	-	-	-
Wireless frequency	-	-	-
Radio	-	-	-
Max. transmit power (FCC)	-	-	-
Max. transmit power (ETSI)	-	-	-
No. of antenna	-	-	-
Antenna gain	-	-	-
Data rate	-	-	-
Receive sensitivity	-	-	-
Key Software Features			
Virtual Private Network (VPN)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)
Firewall	Yes	Yes	Yes
Anti-Virus (AV)	Yes	Yes	Yes
Anti-spam	Yes	Yes	Yes
Content Filtering (CF)	Yes	Yes	Yes
Application intelligence and control	Yes	Yes	Yes
Intrusion Detection and Prevention (IDP)	Yes	Yes	Yes
SSL inspection	-	-	-
Single Sign-On (SSO)	-	-	-
WLAN controller	-	-	-
Power Requirements			
Power input	100 - 240 V AC, 50/60 Hz, 3 - 6 A	100 - 240 V AC, 50/60 Hz, 1 A max.	100 - 240 V AC, 50/60 Hz, 0.55 - 0.3 A
Max. power consumption (watt)	200.0	80.0	35.0
Others			
MTBF (hr)	99,141	51,611	180,382
Physical Specifications			
Dimensions (WxDxH)(mm/in.)	430 x 487 x 89/ 16.93 x 19.17 x 3.50	431 x 292 x 43.5/ 16.97 x 11.50 x 1.71	430 x 201 x 42/ 16.93 x 7.91 x 1.65
Weight (kg/lb.)	10.5/23.15	4.7/10.36	2.8/6.17

Note:

*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: UTM (AV and IDP) throughput measured using the industry standard IXIA IxLoad testing tool (1,460-byte HTTP packets).

*5: Maximum sessions measured using the industry standard IXIA IxLoad testing tool.

*6: With firmware ZLD 4.10 or later

Unified Security Gateway

Model	Remote Offices/Small Businesses (SBs)					
	USG200	USG100-PLUS	USG100	USG50	USG20W	USG20
Hardware Specifications						
10/100/1000 Mbps RJ-45 ports	4 x LAN/DMZ, 2 x WAN, 1 x OPT	4 x LAN/DMZ, 2 x WAN	5 x LAN/DMZ, 2 x WAN	4 x LAN/DMZ, 2 x WAN	4 x LAN/DMZ, 1 x WAN	4 x LAN/DMZ, 1 x WAN
Gigabit combo (SFP/RJ-45) port	-	-	-	-	-	-
USB ports	2	2	2	2	1	1
SEM slot (Security Extension Module)	-	-	-	-	-	-
System Capacity & Performance¹						
SPI firewall throughput (Mbps) ¹²	250	600	225	225	175	175
VPN throughput (Mbps) ¹³	90	150	90	90	75	75
UTM throughput (AV and IDP) ¹⁴	40	30	30	30	-	-
Unlimited user licenses	Yes	Yes	Yes	Yes	Yes	Yes
Max. TCP concurrent sessions ¹⁵	40,000	40,000	20,000	10,000	10,000	10,000
New TCP session rate	1,200	1,200	1,200	1,200	1,000	1,000
Max. UTM (AV and IDP) concurrent sessions ¹⁵	40,000	40,000	20,000	10,000	10,000	10,000
Max. concurrent IPsec VPN tunnels	100	50	50	10	5	5
Max. concurrent SSL VPN users	25	25	25	5	1	1
Included SSL VPN user no.	2	2	2	2	1	1
Customizable zones	Yes	Yes	Yes	Yes	Yes	Yes
IPv6 support	Yes	Yes	Yes	Yes	Yes	Yes
Included managed AP no. ¹⁶	-	-	-	-	-	-
Max. managed AP no. ¹⁶	-	-	-	-	-	-
Wireless Specifications						
Standard compliance	-	-	-	-	802.11 b/g/n	-
Wireless frequency	-	-	-	-	2.4 GHz	-
Radio	-	-	-	-	1	-
Max. transmit power (FCC)	-	-	-	-	2.4 GHz: 26.6 dBm, 2 antennas	-
Max. transmit power (ETSI)	-	-	-	-	2.4 GHz: 18 dBm, 2 antennas	-
No. of antenna	-	-	-	-	2.4 GHz: 2T2R MIMO	-
Antenna gain	-	-	-	-	2 dBi	-
Data rate	-	-	-	-	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)	-
Receive sensitivity	-	-	-	-	2.4 GHz: 11 Mbps ≤ -83 dBm 54 Mbps ≤ -70 dBm HT20, MCS15 ≤ -64 dBm HT40, MCS15 ≤ -61 dBm	-
Key Software Features						
Virtual Private Network (VPN)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)				
Firewall	Yes	Yes	Yes	Yes	Yes	Yes
Anti-Virus (AV)	Yes	Yes	Yes	Yes	-	-
Anti-spam	Yes	Yes	Yes	Yes	Yes	Yes
Content Filtering (CF)	Yes	Yes	Yes	Yes	Yes	Yes
Application intelligence and control	Yes	Yes	Yes	Yes	-	-
Intrusion Detection and Prevention (IDP)	Yes	Yes	Yes	Yes	-	-
SSL inspection	-	-	-	-	-	-
Single Sign-On (SSO)	-	-	-	-	-	-
WLAN controller	-	-	-	-	-	-
Power Requirements						
Power input	100 - 240 V AC, 50/60 Hz, 2 A max.	100 - 240 V AC, 50/60 Hz, 1.5 A max.	100 - 240 V AC, 50/60 Hz, 2 A max.	100 - 240 V AC, 50/60 Hz, 1.5 A max.	100 - 240 V AC, 50/60 Hz, 1.5 A max.	100 - 240 V AC, 50/60 Hz, 1.5 A max.
Max. power consumption (watt)	20.0	17.0	20.0	17.0	16.0	15.0
Others						
MTBF (hr)	323,823	871,265	323,823	871,265	301,502	323,269
Physical Specifications						
Dimensions (WxDxH)(mm/in.)	242 x 175 x 35.5/ 9.53 x 6.89 x 1.40	242 x 167 x 35.5/ 9.53 x 6.57 x 1.40	242 x 175 x 35.5/ 9.53 x 6.89 x 1.40	242 x 167 x 35.5/ 9.53 x 6.57 x 1.40	216 x 140 x 33/ 8.50 x 5.51 x 1.30	216 x 140 x 33/ 8.50 x 5.51 x 1.30
Weight (kg/lb.)	1.2/2.65	1.2/2.65	1.2/2.65	1.2/2.65	0.42/0.93	0.38/0.84

ZyWALL VPN Firewall

Model	Small- and Medium-sized Businesses (SMBs)		Remote Offices/Small Businesses (SBs)
	ZyWALL 1100	ZyWALL 310	ZyWALL 110
Hardware Specifications			
10/100/1000 Mbps RJ-45 ports	8 (configurable)	8 (configurable)	2 x WAN, 1 x OPT, 4 x LAN/DMZ
Gigabit combo (SFP/RJ-45) port	-	-	-
USB ports	2	2	2
SEM slot (Security Extension Module)	-	-	-
System Capacity & Performance^{*1}			
SPI firewall throughput (Mbps) ^{*2}	3,600	2,000	1,000
VPN throughput (Mbps) ^{*3}	800	500	300
UTM throughput (AV and IDP) ^{*4}	-	-	-
Unlimited user licenses	Yes	Yes	Yes
Max. TCP concurrent sessions ^{*5}	500,000	100,000	60,000
New TCP session rate	8,000	8,000	2,800
Max. UTM (AV and IDP) concurrent sessions ^{*5}	-	-	-
Max. concurrent IPSec VPN tunnels	1,000	200	100
Max. concurrent SSL VPN users	250	50	25
Included SSL VPN user no.	250	50	25
Customizable zones	Yes	Yes	Yes
IPv6 support	Yes	Yes	Yes
Included managed AP no. ^{*6}	8	8	8
Max. managed AP no. ^{*6}	24	16	16
Wireless Specifications			
Standard compliance	-	-	-
Wireless frequency	-	-	-
Radio	-	-	-
Max. transmit power (FCC)	-	-	-
Max. transmit power (ETSI)	-	-	-
No. of antenna	-	-	-
Antenna gain	-	-	-
Data rate	-	-	-
Receive sensitivity	-	-	-
Key Software Features			
Virtual Private Network (VPN)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)	Yes (IPSec, SSL, L2TP over IPSec)
Firewall	Yes	Yes	Yes
Anti-Virus (AV)	-	-	-
Anti-spam	-	-	-
Content Filtering (CF)	-	-	-
Application intelligence and control	-	-	-
Intrusion Detection and Prevention (IDP)	-	-	-
SSL inspection	-	-	-
Single Sign-On (SSO)	-	-	-
WLAN controller	-	-	-
Power Requirements			
Power input	100 - 240 V AC, 50/60 Hz, 1.3 A max.	100 - 240 V AC, 50/60 Hz, 1.3 A max.	12 V DC, 3.33 A max.
Max. power consumption (watt)	58.5	58.5	37
Others			
MTBF (hr)	560,811.5	560,811.5	787,109.3
Physical Specifications			
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	300 x 178 x 44/11.81 x 7 x 1.73
Weight (kg/lb.)	3.3/7.28	3.3/7.28	2/4.41

^{*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}: UTM (AV and IDP) throughput measured using the industry standard IXIA IxLoad testing tool (1,460-byte HTTP packets).

^{*5}: Maximum sessions measured using the industry standard IXIA IxLoad testing tool.

^{*6}: With firmware ZLD 4.10 or later

Security Licenses

Security

Product Category	Product	Kaspersky Anti-Virus	IDP	Content Filter	Anti-Spam
Next Generation Unified Security Gateway	USG1900	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG1100	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG310	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG210	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG110	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
	USG40/40W	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years

Product Category	Product	ZyXEL Anti-Virus	Kaspersky Anti-Virus	IDP	Content Filter	Anti-Spam
Unified Security Gateway	USG2000	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG1000	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG300	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG200	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG100-PLUS	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG100	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG50	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years	1 year 2 years
	USG20/20W	-	-	-	1 year 2 years	1 year 2 years

VPN, Management and Reporting

Product Category	Product	SSL VPN	Managed APs*	IPSec VPN Client	Vantage Report
Next Generation Unified Security Gateway	USG1900	Add 50 tunnels	Add 8 APs	For 1 client For 5 clients For 10 clients For 50 clients	For 1 device For 5 devices For 25 devices For 100 devices
	USG1100	Add 50 tunnels	Add 8 APs		
	USG310	Add 10 tunnels	Add 8 APs		
	USG210	Add 10 tunnels	Add 8 APs		
	USG110	Add 10 tunnels	Add 8 APs		
	USG60/60W	Add 5 tunnels	Add 8 APs		
	USG40/40W	Add 5 tunnels	Add 8 APs		

Product Category	Product	SSL VPN	IPSec VPN Client	Vantage CNM	Vantage Report
Unified Security Gateway	USG2000	5 to 50 SSL tunnels	For 1 client For 5 clients For 10 clients For 50 clients	For 10 nodes For 25 nodes For 50 nodes For 100 nodes For 300 nodes For 1,000 nodes	For 1 device For 5 devices For 25 devices For 100 devices
		5 to 250 SSL tunnels			
	USG1000	5 to 750 SSL tunnels			
		50 to 250 SSL tunnels			
		50 to 750 SSL tunnels			
		250 to 750 SSL tunnels			
		5 to 25 SSL tunnels			
		5 to 50 SSL tunnels			
		5 to 250 SSL tunnels			
	USG300	2 to 5 SSL tunnels			
	USG200	2 to 25 SSL tunnels			
	USG100-PLUS	5 to 25 SSL tunnels			
	USG100	2 to 5 SSL tunnels			
	USG50	2 to 25 SSL tunnels			
	USG20/20W	5 to 25 SSL tunnels			

Product Category	Product	Managed APs*	IPSec VPN Client	Vantage Report
ZyWALL Series	ZyWALL 1100	Add 8 APs	For 1 client For 5 clients For 10 clients For 50 clients	For 1 device For 5 devices For 25 devices For 100 devices
	ZyWALL 310	Add 8 APs		
	ZyWALL 110	Add 8 APs		

*With firmware ZLD 4.10 or later

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