



Quick Sales Guide

Security

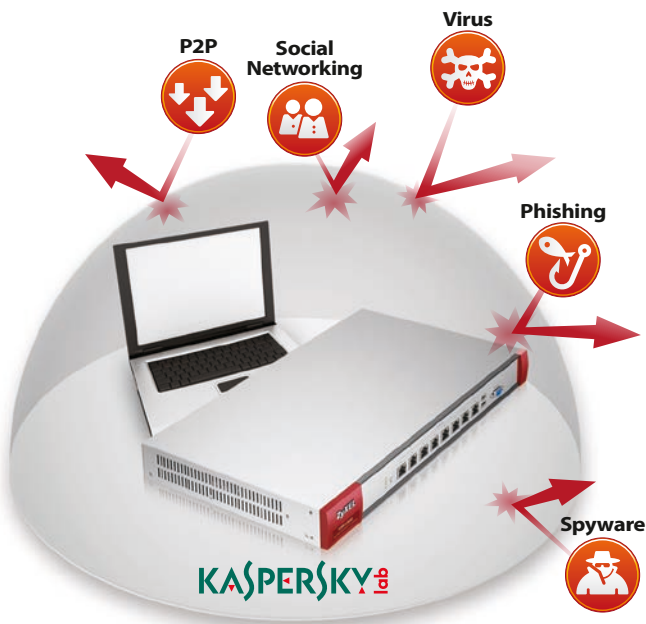
ZyXEL Security-Lösungen

Sicherheit auf höchstem Niveau

Für Unternehmen gibt es meist zwei wichtige Gründe für den Einsatz einer Security-Appliance im Firmennetzwerk: erstens den Schutz des Local-Area-Networks (LAN) gegen eine Vielzahl von Gefahren, zweitens die sichere Verbindung von mehreren Standorten über eine Virtual-Private-Network (VPN). Seit vielen Jahre sorgt ZyXELs beliebte USG Serie (Unified-Security-Gateways) dafür, dass Unternehmen diese beiden Sicherheitsbedürfnisse mit einem einzigen Gerät optimal abdecken können. Um Unternehmen erfolgreich gegen die neusten Netzwerkgefahren zu schützen, bietet die neuste USG Generation Sicherheit, Performance und Schutz auf höchstem Niveau.

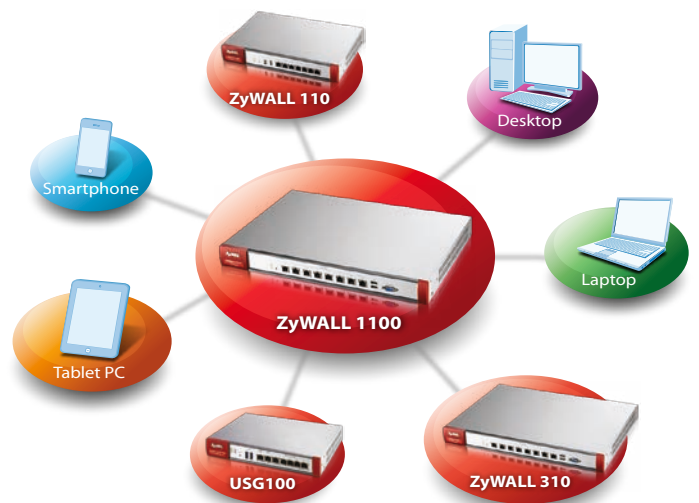
ZyXEL weiss aber auch, dass die heutigen Unternehmen mobiler, globaler und dynamischer denn je zuvor sind. Gleichzeitig werden die Bandbreitenansprüche immer grösser. Die Anforderungen an VPN- und Firewall-Performance sind somit stark gestiegen. Die neuen VPN-Firewalls der ZyWALL Serie sind präzise auf diese Bedürfnisse zugeschnitten. Die klar auf VPN ausgerichteten Gateways liefern schnellste Performance für bandbreitenintensive KMU-Umgebungen und erfüllen höchste Ansprüche an Geschwindigkeit und Stabilität.

Next-Generation USG-Serie Sicherheit & Application-Intelligence der nächsten Generation













- Next-Generation-Firewall-Lösung
- VPN-Verbindungen
- Firewall
- Anti-Virus
- Anti-Spam
- Content-Filter
- Intrusion-Detection-Prevention (IDP)
- Application-Intelligence und -Control
- Integrierter WLAN-Controller

ZyWALL Serie Spezialisiert auf blitzschnelle VPN-Verbindungen



- Dedizierte VPN-Gateway-Lösung
- Blitzschnelle VPN-Verbindungen
- Blitzschnelle Firewall-Verbindungen

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  |



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 |
| 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} | 630 | 560 | 490 | 350 | 300 |
| AV throughput (Mbps) ^{*4} | 540 | 480 | 420 | 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 |
| SSID number | - | - | - | - | - |
| Wireless Specifications | | | | | |
| Standard compliance | - | - | - | - | - |
| Wireless frequency | - | - | - | - | - |
| Radio | - | - | - | - | - |
| 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 |
| System Capacity & Performance¹¹ | | | | |
| 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 |
| 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 |
| SSID number | 16 | - | 8 | - |
| 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 | - |
| 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 | 17 dBm, 2 antennas | - | 17 dBm, 2 antennas |
| | EU (ETSI) 5 GHz | 25.6 dBm, 2 antennas | - | - |
| No. of antenna | 2.4 GHz: 2T2R MIMO 5 GHz: 2T2R MIMO | - | 2.4 GHz: 2T2R MIMO | - |
| 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 | 2.4 GHz: 11 Mbps ≤ -87 dBm 54 Mbps ≤ -77 dBm HT20 ≤ -71 dBm HT40 ≤ -68 dBm | - | 2.4 GHz: 11 Mbps ≤ -87 dBm 54 Mbps ≤ -77 dBm HT20, MCS15 ≤ -71 dBm HT40, MCS15 ≤ -68 dBm |
| | 5 GHz | 5 GHz: 54 Mbps ≤ -75 dBm HT20, MCS15 ≤ -71 dBm HT40, MCS15 ≤ -69 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 | 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. |
| 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 & Performance¹¹ | | | | | | |
| SPI firewall throughput (Mbps) ² | 250 | 600 | 225 | 225 | 175 | 175 |
| VPN throughput (Mbps) ³ | 90 | 150 | 90 | 90 | 75 | 75 |
| UTM throughput (AV and IDP) ⁴ | 40 | 30 | 30 | 30 | - | - |
| Unlimited user licenses | Yes | Yes | Yes | Yes | Yes | Yes |
| Max. TCP concurrent sessions ⁵ | 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 ⁵ | 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. ⁶ | - | - | - | - | - | - |
| Max. managed AP no. ⁶ | - | - | - | - | - | - |
| 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) | 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 | 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 |

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



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 5 to 250 SSL tunnels 5 to 750 SSL tunnels 50 to 250 SSL tunnels 50 to 750 SSL tunnels 250 to 750 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 |
| | USG1000 | 5 to 25 SSL tunnels 5 to 50 SSL tunnels 5 to 250 SSL tunnels 25 to 50 SSL tunnels 25 to 250 SSL tunnels 50 to 250 SSL tunnels | | | |
| | USG300 | 2 to 5 SSL tunnels 2 to 25 SSL tunnels 5 to 25 SSL tunnels | | | |
| | USG200 | 2 to 5 SSL tunnels 2 to 25 SSL tunnels 5 to 25 SSL tunnels | | | |
| | USG100-PLUS | 2 to 5 SSL tunnels 2 to 25 SSL tunnels 5 to 25 SSL tunnels | | | |
| | USG100 | 2 to 5 SSL tunnels 2 to 25 SSL tunnels 5 to 25 SSL tunnels | | | |
| | USG50 | 2 to 5 SSL tunnels | | | |
| | USG20/20W | - | | | |

| 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

Corporate Headquarters

ZyXEL Communications Corp.

Tel: +886-3-578-3942
Fax: +886-3-578-2439
Email: sales@zyxel.com.tw
http://www.zyxel.com

■ Europe

ZyXEL Belarus

Tel: +375 17 334 6099
Fax: +375 17 334 5899
Email: sales@zyxel.by
http://www.zyxel.by

ZyXEL BeNeLux

Tel: +31 23 555 3689
Fax: +31 23 557 8492
Email: sales@zyxel.nl
http://www.zyxel.nl
http://www.zyxel.be

ZyXEL Bulgaria (Bulgaria, Macedonia, Albania, Kosovo)

Tel: +3592 4443343
Email: info@zyxel.bg
http://www.zyxel.bg

ZyXEL Czech Republic

Tel: +420 241 091 350
Hotline: +420 241 774 665
Fax: +420 241 091 359
Email: sales@cz.zyxel.com
http://www.zyxel.cz

ZyXEL Denmark A/S

Tel: +45 39 55 07 00
Fax: +45 39 55 07 07
Email: sales@zyxel.dk
http://www.zyxel.dk

ZyXEL Finland

Tel: +358 9 4780 8400
Email: myynti@zyxel.fi
http://www.zyxel.fi

ZyXEL France

Tel: +33 (0)4 72 52 97 97
Fax: +33 (0)4 72 52 19 20
Email: info@zyxel.fr
http://www.zyxel.fr

ZyXEL Germany GmbH

Tel: +49 (0) 2405-6909 0
Fax: +49 (0) 2405-6909 99
Email: sales@zyxel.de
http://www.zyxel.de

ZyXEL Hungary & SEE

Tel: +36 1 336 1640
Fax: +36 1 325 9100
Email: info@zyxel.hu
http://www.zyxel.hu

ZyXEL Italy

Tel: 800 99 26 04
Fax: +39 011 274 7647
Email: sales@zyxel.it
http://www.zyxel.it

ZyXEL Norway

Tel: +47 22 80 61 80
Fax: +47 22 80 61 81
Email: salg@zyxel.no
http://www.zyxel.no

ZyXEL Poland

Tel: +48 223 338 250
Hotline: +48 226 521 626
Fax: +48 223 338 251
Email: info@pl.zyxel.com
http://www.zyxel.pl

ZyXEL Romania

Tel: +40 31 0809 888
Fax: +40 31 0809 890
Email: info@zyxel.ro
http://www.zyxel.ro

ZyXEL Russia

Tel: +7 (495) 542-8920
Fax: +7 (495) 542-8925
Email: info@zyxel.ru
http://www.zyxel.ru

ZyXEL Slovakia

Tel: +421 243 193 989
Hotline: +421 220 861 848
Fax: +421 243 193 990
Email: sales@sk.zyxel.com
http://www.zyxel.sk

ZyXEL Spain

Tel: +34 902 195 420
Fax: +34 913 005 345
Email: sales@zyxel.es
http://www.zyxel.es

ZyXEL Sweden A/S

Tel: +46 8 55 77 60 60
Fax: +46 8 55 77 60 61
Email: sales@zyxel.se
http://www.zyxel.se

ZyXEL Switzerland

Tel: +41 (0)44 806 51 00
Fax: +41 (0)44 806 52 00
Email: info@zyxel.ch
http://www.zyxel.ch

ZyXEL Turkey A.S.

Tel: +90 212 314 18 00
Fax: +90 212 220 25 26
Email: bilgi@zyxel.com.tr
http://www.zyxel.com.tr

ZyXEL UK Ltd.

Tel: +44 (0) 118 9121 700
Fax: +44 (0) 118 9797 277
Email: sales@zyxel.co.uk
http://www.zyxel.co.uk

ZyXEL Ukraine

Tel: +380 44 494 49 31
Fax: +380 44 494 49 32
Email: sales@ua.zyxel.com
http://www.ua.zyxel.com

■ Asia

ZyXEL China (Shanghai) China Headquarters

Tel: +86-021-61199055
Fax: +86-021-52069033
Email: sales@zyxel.cn
http://www.zyxel.cn

ZyXEL China (Beijing)

Tel: +86-010-62602249
Email: sales@zyxel.cn
http://www.zyxel.cn

ZyXEL China (Tianjin)

Tel: +86-022-87890440
Fax: +86-022-87892304
Email: sales@zyxel.cn
http://www.zyxel.cn

ZyXEL India

Tel: +91-11-4760-8800
Fax: +91-11-4052-3393
Email: info@zyxel.in
http://www.zyxel.in

ZyXEL Kazakhstan

Tel: +7-727-2-590-699
Email: info@zyxel.kz
http://www.zyxel.kz

ZyXEL Korea Corp.

Tel: +82-2-890-5535
Fax: +82-2-890-5537
Email: sales@zyxel.kr
http://www.zyxel.kr

ZyXEL Malaysia

Tel: +603 2282 1111
Fax: +603 2287 2611
Email: sales@zyxel.com.my
http://www.zyxel.com.my

ZyXEL Middle East FZE

Tel: +971 4 372 4483
Cell: +971 562146416
Email: sales@zyxel-me.com
http://www.zyxel-me.com

ZyXEL Philippine

Email: sales@zyxel.com.ph
http://www.zyxel.com.ph

ZyXEL Singapore

Tel: +65 6339 3218
Hotline: +65 6339 1663
Fax: +65 6339 3318
Email: sales@zyxel.com.sg
http://www.zyxel.com.sg

ZyXEL Taiwan (Taipei)

Tel: +886-2-2739-9889
Fax: +886-2-2735-3220
Email: sales_tw@zyxel.com.tw
http://www.zyxel.com.tw

ZyXEL Thailand

Tel: +66-(0)-2831-5315
Fax: +66-(0)-2831-5395
Email: info@zyxel.co.th
http://www.zyxel.co.th

ZyXEL Vietnam

Tel: (+848) 35202910
Fax: (+848) 35202800
Email: sales_vn@zyxel.com.tw
http://www.zyxel.com/vn/vi/

■ The Americas

ZyXEL USA

North America Headquarters

Tel: +1-714-632-0882
Fax: +1-714-632-0858
Email: sales@zyxel.com
http://us.zyxel.com

