

ZYXEL



**Defend Your Data
with Security
By Design**

The threat of Ransomware

Recent years have been challenging in networking and data security. The cryptoworm WannaCry and numerous other malware threats caused significant data breaches and has resulted in huge losses in business productivity and personal data becoming compromised around the world. For many this threat was new but with increased media spotlight on data security and GDPR regulations protecting data from malware and the ability to demonstrate it is protected should be a top priority for all businesses.

The WannaCry attack was the turning point in the awareness of security threats. Suddenly malware was not about slowing down or compromising a few work stations - malware and particular ransomware could block entire networks in a matter of minutes across the globe.

Businesses of all sizes seem to be taking action. They are reviewing their network security and have started to upgrade insufficient security protection. The demand for UTM (Unified Threat Management) and USG (Universal Security Gateway) solutions have grown significantly and many have focused on upgrading Anti-Virus and Intrusion detection. But there are still many firms not taking the necessary action and should not consider themselves safe.



Introducing Zyxel Next Generation Unified Security Gateways (USG)

While technology has certainly simplified many aspects of our lives advancements in how people work and collaborate can often create major challenges for businesses.

Managing the rapidly growing number of smart devices accessing networks prioritising and blocking a wide range of cloud-based productivity applications and guarding against daily web-based intrusions and attacks has never been more important with the onset of GDPR.

As threats evolve and challenges diversify it becomes more difficult for businesses to stay on top of these changes.

Without an effective solution to control, optimise and block social productivity and other web applications SMBs risk losing work productivity and exposing company networks to new web threats and data breaches.

This is not an option with GDPR and if does a data breach does happen how do you identify the source and remedy the situation quickly?

Zyxel offers a full suite of next generation unified security gateways providing unbeatable protection from malware and unauthorised applications. Combine this with deep packet inspection and Zyxel is a natural choice to protect businesses from ransomware and meet GDPR compliance requirements.

Performance Series - USG60/60W/40/40W Next Generation Unified Security Gateway

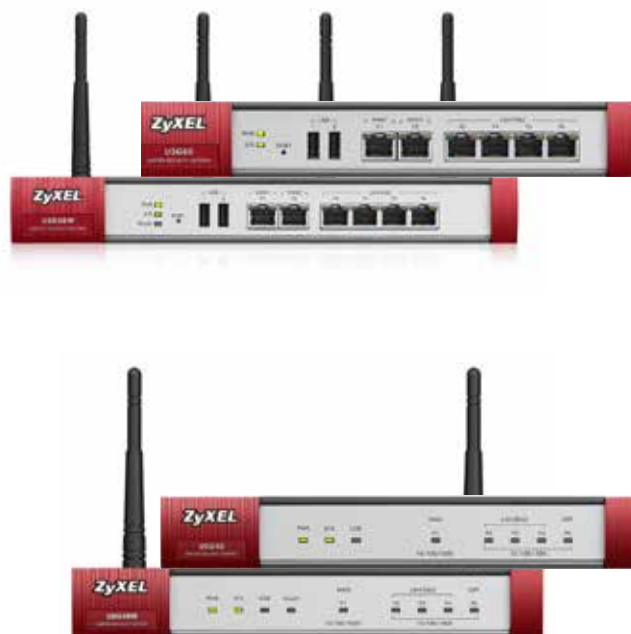
The Performance Series has an all-in-one design that integrates everything small businesses need. With a lower total cost of ownership (TCO) and support for VPN, businesses can securely access resources with their partner offices or headquarters.

The “easy mode” setting in the GUI helps entry-level and SOHO users effortlessly take advantage of high-speed and secure networking. 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.

Wi-Fi can be provided wherever there is demand. Addressing the trend of BYOD. An integrated WLAN controller with Zyxel AP Controller technology enables users to manage up to 18 Access Points from a centralised user interface. Businesses can easily provide Wi-Fi in a multitude of other areas such as reception and meeting rooms when Wi-Fi demand grows.

The USG40W and USG60W feature built-in single-radio and dual-radio wireless access points that can provide Wi-Fi for retail units or small offices straight out of the box. 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.

High Internet uptime is achieved 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.



Advanced Series - USG310/210/110 Next Generation Unified Security Gateway

Designed to be powerful, robust and always-on the Advanced Series helps businesses satisfy the demand for mobility and always-online communications within the office. Multi-WAN over two or more Ethernet WAN connections provides active-active WAN load balancing or active-passive failover for High-Availability (HA) providing additional resilience for mission-critical VPN failover with VTI Interface deployments.

Each gateway in the series is integrated with a WLAN controller that enables users to manage up to 34 Access Points through a centralised user interface. Businesses can now easily scale-up WLAN and provide Wi-Fi in multiple areas to meet the ever-growing number of wireless devices. Perfect for public areas such as meeting rooms

and guest reception areas. Hotspot Management features such as Billing System Walled Garden Multiple Authentications 3rd Party Social Login and User Agreement give businesses a single unified solution.



Extreme Series - USG1900/1100 Next Generation Unified Security Gateway



The Zyxel USG Extreme Series delivers high-access quality to help businesses satisfy the demand for always-online communications.

People expect network access regardless of time or location. As a result, hotspots are in demand in an ever-expanding assortment of locations. Zyxel AP Controller technology enables users to manage up to 130 APs from a centralised user interface making the extreme series the best TCO for access expansion.

For internal deployments the USG Extreme Series provides active-passive High-Availability (HA) service to support device or connection failover.

With Device HA Pro service the USG Extreme Series also supports instant failover so connections are always maintained when a failover event occurs. For external deployments the USG Extreme Series features multi-WAN load balancing/failover and a comprehensive mobile broadband USB modem support list for WAN backup operations. Also supported are IPSec load balancing and failover providing additional resilience for mission-critical VPN failover with VTI Interface deployments.

Zyxel AP Controller integrated with Zyxel Hotspot Management delivers a unified solution for business networks with user-friendly tools like Billing System Walled Garden Multiple Authentication 3rd Party Social Login and User Agreement. Businesses can now deploy or expand a managed Wi-Fi network with minimal effort.

Next Generation USG Quick Finder

Model USG	40/40W	60/60W	110	210	310	1100	1900
Description	Performance Series		Advanced Series			Extreme Series	
Multi-WAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Unified Security Policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL Inspection	-	-	Yes	Yes	Yes	Yes	Yes
Link Aggregation (LAG)	-	-	-	-	Yes	Yes	Yes
Port Grouping	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device HA	-	-	Yes	Yes	Yes	Yes	Yes
Device HA Pro	-	-	Yes	Yes	Yes	Yes	Yes
Easy Mode	Yes	Yes	-	-	-	-	-
Cloud Helper	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PCI DSS Compliance	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Content Filtering 2.0 ^{*1}	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hotspot Management ^{*2}	-	-	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.

Impregnable protection and optimisation



Anti-Virus



Anti-Spam



Intrusion Detection & Prevention (IDP)



Application Intelligence



Content Filtering



Hotspot Management



Device HA PRO

The Zyxel Unified Security Gateways Series provides comprehensive protection for networks to meet all your GDPR requirements with industry-leading firewall Anti-Malware/ Virus, Anti-Spam, Content Filtering, Intrusion Detection and Prevention (IDP) and Application Patrol functionality.

The complete feature set allows for security by-design to fit different business requirements and enable maximum performance and security.

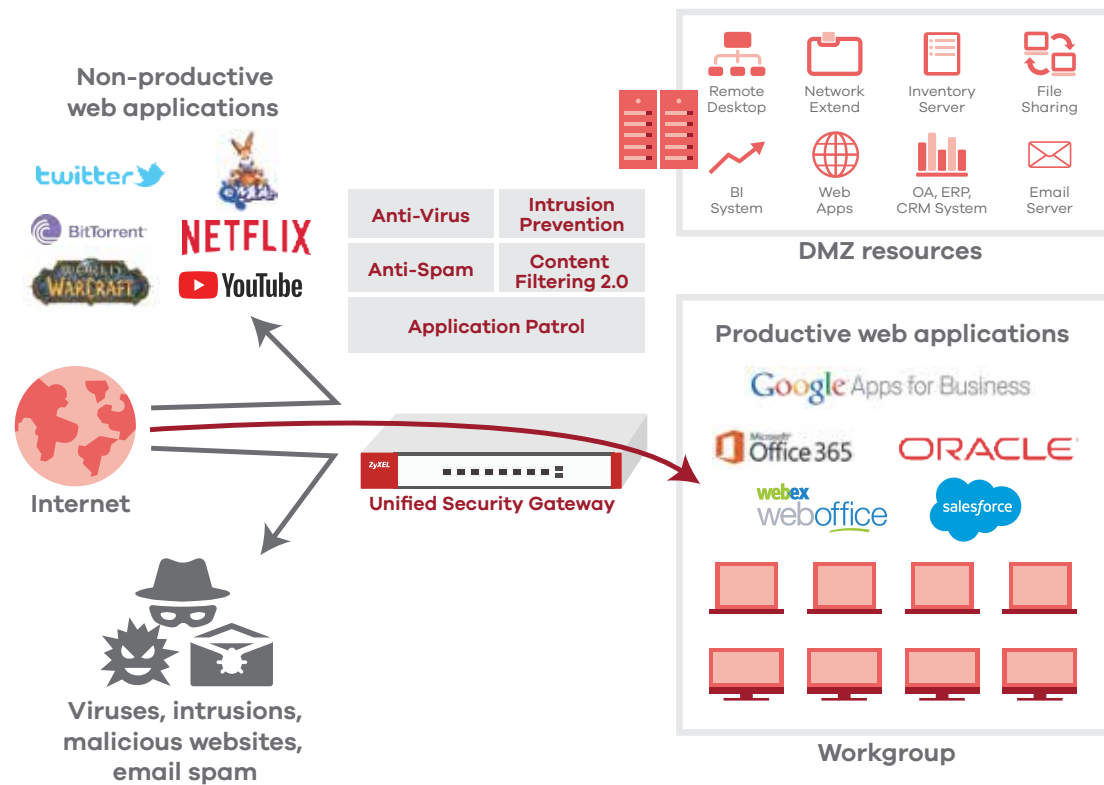
Unified security policies offers object-based management and a unified configuration interface for the firewall and all security-related policies. Users can easily apply all policy criteria to every Unified Threat Management feature reducing configuration time to streamlined

policy management.

Unauthorised use of web applications can be regulated over your network such as Facebook Google apps and Netflix amongst others. SSL inspection enables the Zyxel Advanced and Extreme USG Series to provide not only comprehensive security but also deeper policy enforcement. It enables the USG's Application Patrol, IDP, Content Filtering 2.0 and Anti-Virus to inspect traffic in SSL encrypted connections and block threats that usually go unseen.

Furthermore, newly improved Content Filtering 2.0 enhances HTTPS, Domain Filter, Browser, SafeSearch and Geo IP Blocking for an array of security enhancements to ensure clean web connections.

Anti-malware protection and application optimisation



- ✓ 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 enables businesses to block or manage access to non-productive web applications.

PCI DSS Compliance

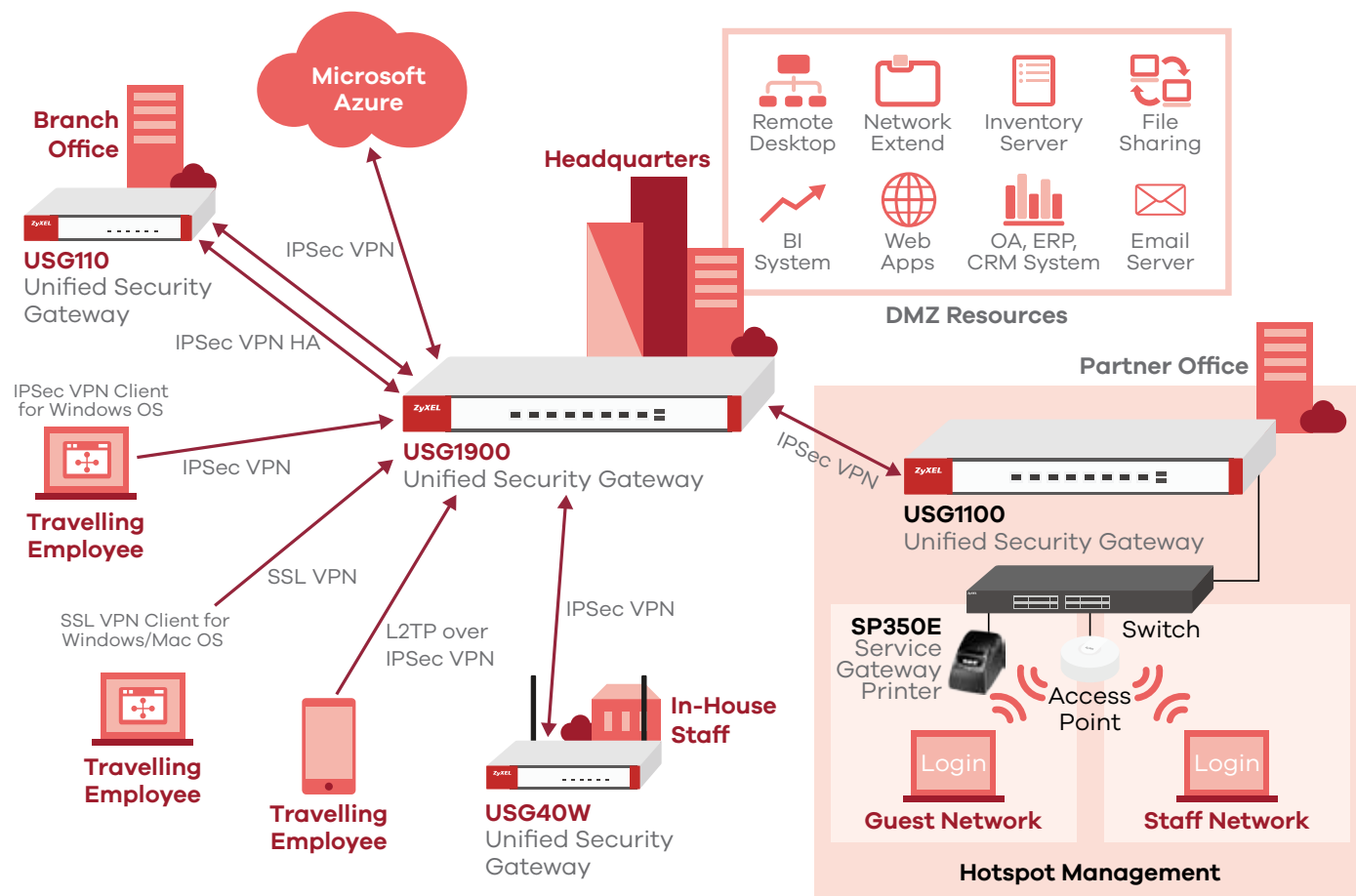
The Zyxel USG series conform with Payment Card Industry Data Security Standard (PCI DSS) global standard for data security of cardholder data. The PCI DSS Compliance applies to all entities involved in the processing of payment cards from merchant card issuers, processors and service providers as well as any entity that processes, transmit or stores cardholder data.

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.

VPN Application

- ✓ Branch offices, partners and home users can deploy Zyxel USGs 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 can also establish an IPsec VPN connection with Microsoft Azure for secured access to a variety of cloud-based applications.



Hotspot Management

- ✓ High speed internet access
- ✓ Tier of service
- ✓ Log record for regulatory compliance
- ✓ Premium security control
- ✓ Various Network access control (free or paid access social login)*: Hotspot Management supports for USG310 ZLD4.20 or later and for USG110/210 in Firmware ZLD4.25 or later

Service Related Information

The Security forum is a great place where users can come together to share tips and ideas, get problems solved and learn from fellow users around the world. Join the conversations to know more about everything the USG Security products can do.

Visit Security forum to explore more businessforum.zyxel.com/categories/security



Cloud Helper-swift and secure firmware upgrades

Locating firmware updates and managing their installation can be a complex and confusing.

The Zyxel USG Series solves updating firmware with the Cloud Helper service. New firmware is immediately made available upon release from our official database to ensure its authenticity and reliability.

Stay secure and up-to- date with OneSecurity

Zyxel provides frequent 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. IT staff can quickly and easily catch up on the latest threats and then access walkthroughs and troubleshooting protocols with the help of easy-to-follow FAQs.

Take our security audit to understand if you need to upgrade your network security.

For more information on how Zyxel can support your network security needs,
request a call back from a Zyxel Security Specialist or visit zyxel.com