

ZYXEL
NETWORKS



Security Service and License

Solution Brief

Ultimate defense against unknown threats

Zyxel Security Service

Zyxel security service, empowered by cloud AI intelligence, toughens every cyber fabric in your business network with best-in-breed UTM performance and flexible options not only for business of all sizes but also for various verticals, empowering your network with reliable connectivity, cutting-edge cloud manageability, robust protection against all cyber threats, along with informative analytics and reporting service.

Why Choose Zyxel

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 accomplish all these demands. Fortifying businesses against a new generation of threats, Zyxel is offering a new line of ZyWALL ATP Firewall and USG FLEX series that delivers unmatched capacity, performance and protection for businesses of all sizes.



Zyxel Security Cloud

37,000,000,000

URL database for managed category service

4,000,000,000

IP address database for security category service

5,000,000

End users protected by ZyWALL

800,000,000

Domain database for managed category service

1,200,000,000

Unique malware hashes

640%

Phishing URL grew

96%

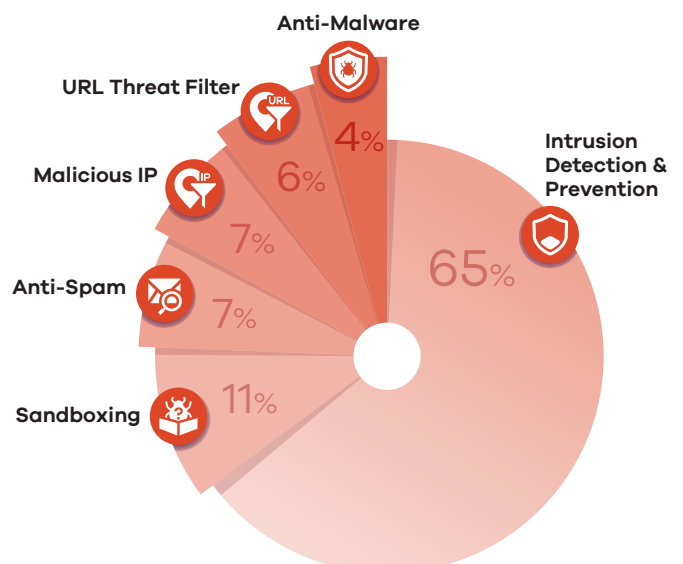
of bad IP addresses showed malicious activities more than once

125%

Malware targeting Windows 7 increased by 125%

Multi-layered Technology Stops Various Types of Threat

Zyxel Firewall is designed with multi-layer protection against multiple types of threats from in and out. ATP series features Sandboxing, Malware Blocker, Reputation Filter, and Intrusion Prevention block external attacks while Application Patrol and Web Filtering empower you to restrict users' inappropriate application usage or web access. The leading DNS Content Filter helps businesses eliminate blind spots against encrypted traffic with TLS1.3. All together safeguarding your network without any unattended gaps.



Subscription services

Reputation Filter

70% of Threats can be Stopped by Reputation Service

Reputation Filter consist of IP Reputation, DNS Filter, and URL threat filter, matches up IP/domain/URL addresses with the always-up-to-date cloud reputation database and determines if an address is reputable or not. This improves blocking efficiency, restricts access to malicious domain/URL, and blocks access from compromised sources, thus providing granular protection against ever-evolving cyber threats.

DNS Threat Filter completes the Reputation Services

DNS Filter is an inexpensive approach to mitigate the risk of downloading a web-based threat by blocking access to URL/domain known to malicious content. By effectively relieving HTTPS traffic, work better together with IP and URL reputation, as a complete set of Reputation solution for threat preventions. It also reduces the risk of phishing attacks – thus enhancing an organization’s online security posture further.

IPS/IDP

IPS/IDP is a network security and threat prevention technology that helps businesses to establish timely security measures against known attacks while fully safeguarding a network environment with anomaly traffic detection and prevention. The IPS/IDP guards your business from a wide range of attacks and suspicious activities such as SQL injection, DoS, and malicious backdoor applications.

Anti-Malware

ZyWALL series not only supports a stream-based engine that scans files at the gateway for viruses and other threats but also runs cloud query simultaneously to leverage the multiple-sourced databases from Zyxel security cloud, a machine learning threat intelligence that can adapt to newly identified unknown threats. This hybrid mode protection effectively maximizes malware detection rate without sacrificing throughput.



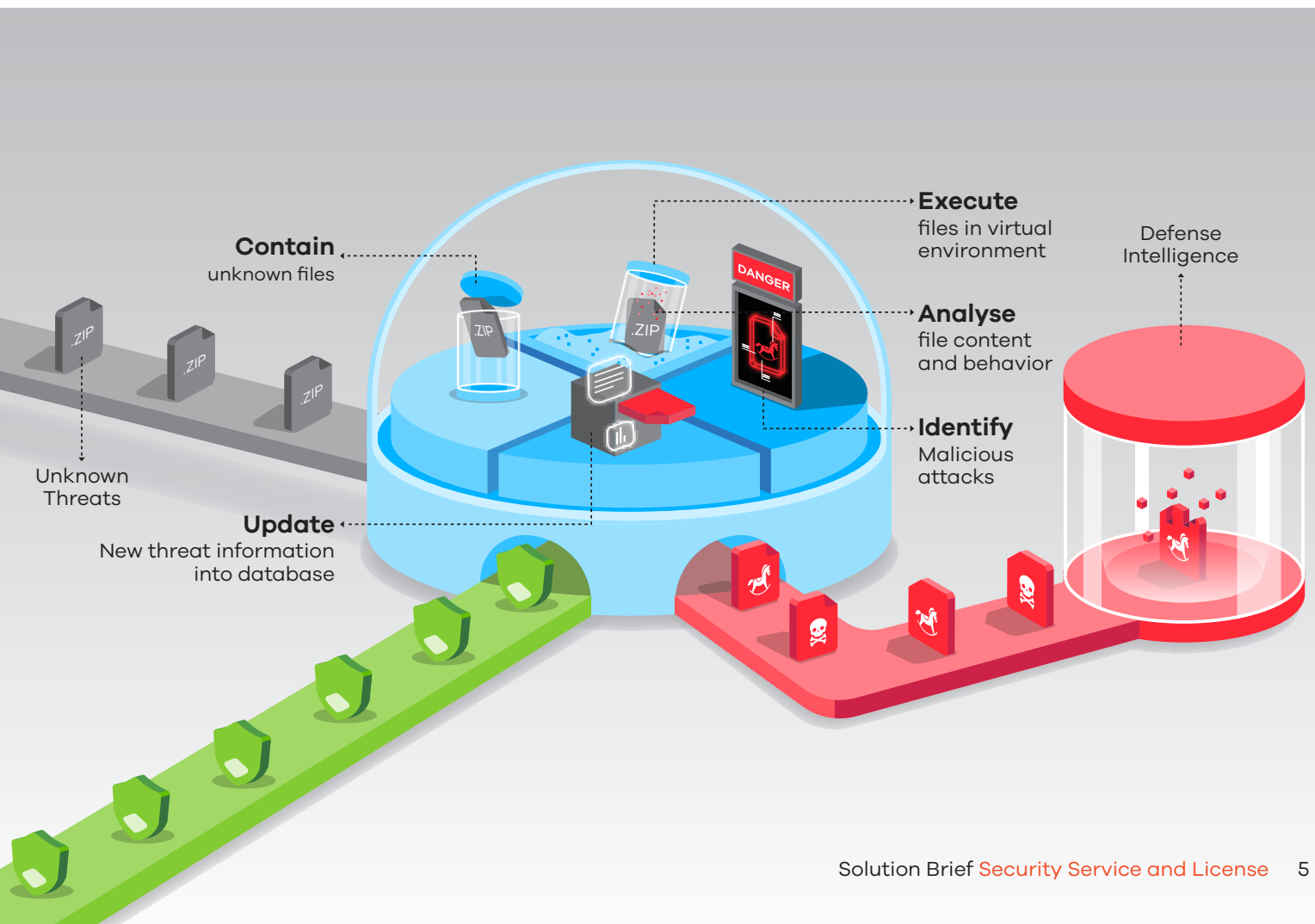
Sandboxing

Why Use Sandboxing for Protection?

Cyber attacks are becoming more sophisticated, and it is no longer a challenge to break through traditional security defense lines. You are likely running several security technologies to protect your organization from attacks, however, you may still be at risk from the unknown.

Defeat the Unknown Threats

Sandboxing is an isolated cloud environment to contain unknown files that cannot be identified by existing security service on device and to emulate those unknown files to identify whether they are malicious or not. Key values from sandboxing is to inspect packet behavior in isolation so the potential threat does not enter the network at all, and to identify new malware types which the conventional static security mechanism may not detect. Cloud sandboxing with Zyxel ATP Firewall Series is a preventive measure for zero-day attacks of all sorts.





Application Patrol

Application Patrol identifies and controls thousands of applications and its behavior to better prioritize, throttle and block applications to boost productivity and prevent bandwidth abuse. The service leverages Deep Packet Inspection module, controls employee network use and covers 30 categories of applications, allowing businesses to customize management protocols based on specific applications and behaviors.



Email Security/ Anti-Spam

To ensure uninterrupted email communications, Zyxel Anti-Spam can filter out malware and spam to provide the most thorough protection for any end point under an internal network. Anti-Spam utilizes several techniques to filter email, detecting on both SMTP and POP3 packets through local rules and a real-time cloud database. Reduces unsolicited e-mail and increases business productivity by allowing you to block spam on the network edge.



Web Filtering

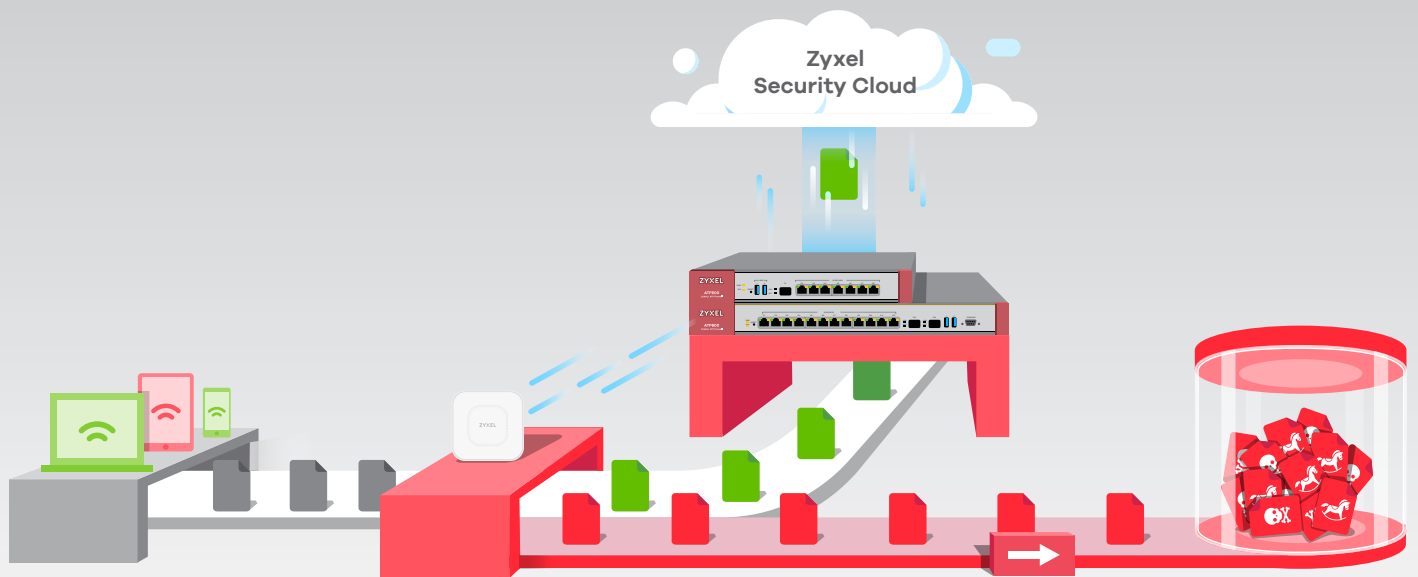
Improve security by blocking access to malicious or risky web sites, control access with integrated firewall policy for highly granular blocking and filtering with the Zyxel's Web Filtering/Content Filtering. Integrates with evolving cloud database to protect your business defense undesirable access to malicious, hacked, or inappropriate websites with technologies including URL filtering, HTTPS domain filter, safe search, and Geo IP blocking. A newly added DNS content filter offers a better approach to inspect web access, particularly when the website is deploying ESNI (Encrypted Server Name Indication) where the traditional URL filtering fails to identify the destination domain.

Auto-Renew for ATP Series

Ensure continuity for your Gold Pack service



Stay ahead of threats



Collaborative Detection & Response

A New Connected Security Frontier

Collaborative Detection & Response (CDR) identifies threats and risks posed in the organization workforce, workload, and workplace. Depending on the attack frequency and threat level, it generates a protection rule. The integrated cloud threat intelligence takes a great leap forward to adopt this generated protection

rule to automatically stop threats at the network edge by blocking or quarantining, preventing damage to the network. It's a perfect fit for SMB(s) to address the requirements of a decentralized, IoT-driven network infrastructure.

Visualize threats analytics and reports



Cloud-Based Analytics Service

The Zyxel CNM SecuReporter is a cloud-based intelligent analytics and report service with collection and correlation features designed for ZyWALL product lines. It provides network administrators with a centralized view of network activities and potential threats within the entire network, enabling IT professionals to proactively monitor network status, block, or stop an attack.

A 360 Degree Analysis of Your Cybersecurity

The number of cybersecurity threats and their complexities are growing, which drives the need for 360-degree visibility for monitoring network. SecuReporter offers multiple dimensions of analytics on abnormal behaviors across your business. Analyze the time trend, threat type, signature, and email subject leads for precise detection. Monitor malicious activity from source IP and destination IP for bidirectional analysis.



Same security across networks



Same Security Across Networks

Businesses striking a balance on productivity and security protection becomes a priority with growing number of devices. Whether it is a wired, wireless, or a IoT device, the Secure WiFi service ensures the same network controls which can be applied to headquarters and other remote workplaces. Easily and securely extend working experience as if you were in the office with the adoption of secure tunneling and strict two-factor authentication.

Work Like You're at the Office

Secure WiFi service is used to build a secure L2 tunnel for Work-From-Home user to the office guaranteeing the same security level, the same user experience, the same WiFi and even the same IP address in the office, which boosts up productivity and eases IT support. The Secure WiFi service also unlocks the number of managed APs to maximum for the ATP/USG FLEX/VPN firewall.

Remote Workplaces



Remote AP

Office Networks



USG FLEX Series








Secure Tunnel

Pick a bundle. No more hassle

License by Bundle

A bundle license consists of multiple services that are grouped together. They are designed for your best convenience when you need to ensure your network is

empowered with holistic functionality such as seamless threat protection or full connectivity features. Pick the right bundle and experience less hassle.

		Security						
Pack	Firewall Series	Licensed Service						
		Anti-Malware/ Virus	Web Filtering/ Content Filtering	Sandboxing	Reputation Filter	IPS/IDP	Application Patrol	Email Security/ Anti-Spam
								
		Scan files at the gateway for viruses and other threats	Block access to malicious or risky web sites	Cloud-based sandbox technology against unknown threats	Block botnet infection and prevent drive-by download from infected websites via IP and URL detection	Deep-packet inspection against known attacks from network	Automatically categorize and manage the network application usage	Fast detection to block spam/phishing mail with malicious contents
Gold Security Pack	ATP	●	●	●	●	●	●	●
	USG FLEX* ³	●	●	●	●	●	●	●
UTM Security Pack	USG FLEX* ³	●	●			●	●	●
Content Filter Pack	USG FLEX 50		●					
	USG20(W)-VPN		●					
3-in-1 UTM Security Pack	USG	●	●			●*	●*	
2-in-1 Nebula Security Pack	NSG	●	●			●*	●*	

*: The IPS and App Patrol service would be offered for free

*²: Pack Purchasing Options:

- Secure WiFi
- Hospitality Pack incl. Hotspot Management and Concurrent Device Upgrade
- Nebula Professional Pack
- Nebula Plus Pack

*³: USG FLEX 50 is not supported for Gold and UTM Security Pack






Connectivity

Licensed Service









SecuReporter	Security Profile Sync	Collaborative Detection & Response	Secure WiFi	Hotspot Management	Concurrent Device Upgrade	Nebula Professional Pack	Nebula Plus Pack
Cloud-based security analytics and report with 30-day log retention	An easy-to-use tool to help business sync up security profiles across multiple networks	Automatically contain threats at the network edge	Secure tunnel and managed AP service	Various Network Access Control	Top up allowed number of connected clients	A full feature set of cloud configuration, deployment, monitoring and management	A new feature set includes the most frequently requested advanced features
●	●	●	●			●	
●	●	●	●	● *2	● *2	● *2	
●	●	●	● *2	● *2	● *2	● *2	● *2
●	●					● *2	● *2
●	●					● *2	● *2
●							
						● *2	● *2

Licensed Service by Model

Security

Compatible Security Appliances	Licensed Service				
	Web Filtering/ Content Filtering	Application Patrol	Anti-Malware/Virus	IPS/IDP	Email Security/ Anti-Spam
					
	Block access to malicious or risky web sites	Automatically categorize and manage the network application usage	Scan files at the gateway for viruses and other threats	Deep-packet inspection against known attacks from network	Fast detection to block spam/phishing mail with malicious contents
ATP100(W)/200	•	•	•	•	•
ATP500/700/800	•	•	•	•	•
USG FLEX 100(W)	•	•	•	•	•
USG FLEX 200	•	•	•	•	•
USG FLEX 500/700	•	•	•	•	•
USG40(W)	•	•	•	•	•
USG60(W)	•	•	•	•	•
USG110/210/310	•	•	•	•	•
USG1100/1900/2200	•	•	•	•	•
USG20(W)-VPN	•				
ZyWALL 110/310/1100	•	•	•	•	•
VPN50	•				
VPN100/300/1000	•	•			

Connectivity

Compatible Security Appliances	Licensed Service						Default Support for Licensed Service	
	Secure WiFi	Hotspot Management	Concurrent Device Upgrade	Nebula SD-WAN	Nebula Professional Pack	Nebula Plus Pack	Amazon VPC	Microsoft Azure
								
	Secure tunnel and managed AP service	Various Network Access Control	Top up allowed number of connected clients	Simplify the delivery of WAN services across the organization	A full feature set of cloud configuration, deployment, monitoring and management	A new feature set includes the most frequently requested advanced features	Easy network integration with AWS	Easy network integration with Azure
ATP100(W)/200	•				•		•	•
ATP500/700/800	•				•		•	•
USG FLEX 100(W)	•				•	•	•	•
USG FLEX 200	•	•			•	•	•	•
USG FLEX 500/700	•	•	•		•	•	•	•
USG40(W)							•	•
USG60(W)		•					•	•
USG110/210/310		•	•				•	•
USG1100/1900/2200		•	•				•	•
USG20(W)-VPN					•	•	•	•
ZyWALL 110/310/1100		•	•				•	•
VPN50	•	•		•			•	•
VPN100/300/1000	•	•	•	•			•	•

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Post questions to our forum community and Zyxel officials. Submit ideas for future product features or releases!

community.zyxel.com



YouTube

Watch Zyxel's videos on product updates, step-by-step tutorials, and the latest trends in networking technology.

youtube.com/zyxelvideo



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