



# 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.

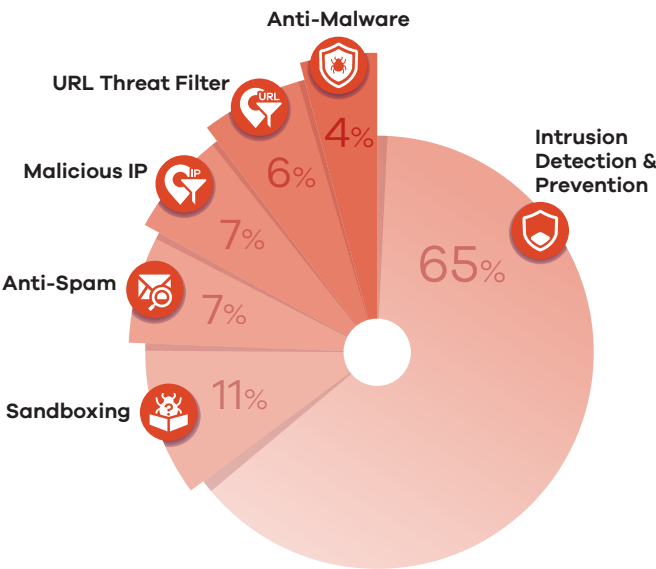


## Zyxel Security Cloud

37,000,000,000	4,000,000,000	5,000,000
URL database for managed category service	IP address database for security category service	End users protected by ZyWALL
800,000,000	1,200,000,000	640%
Domain database for managed category service	Unique malware hashes	Phishing URL grew
96%	125%	
of bad IP addresses showed malicious activities more than once	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.

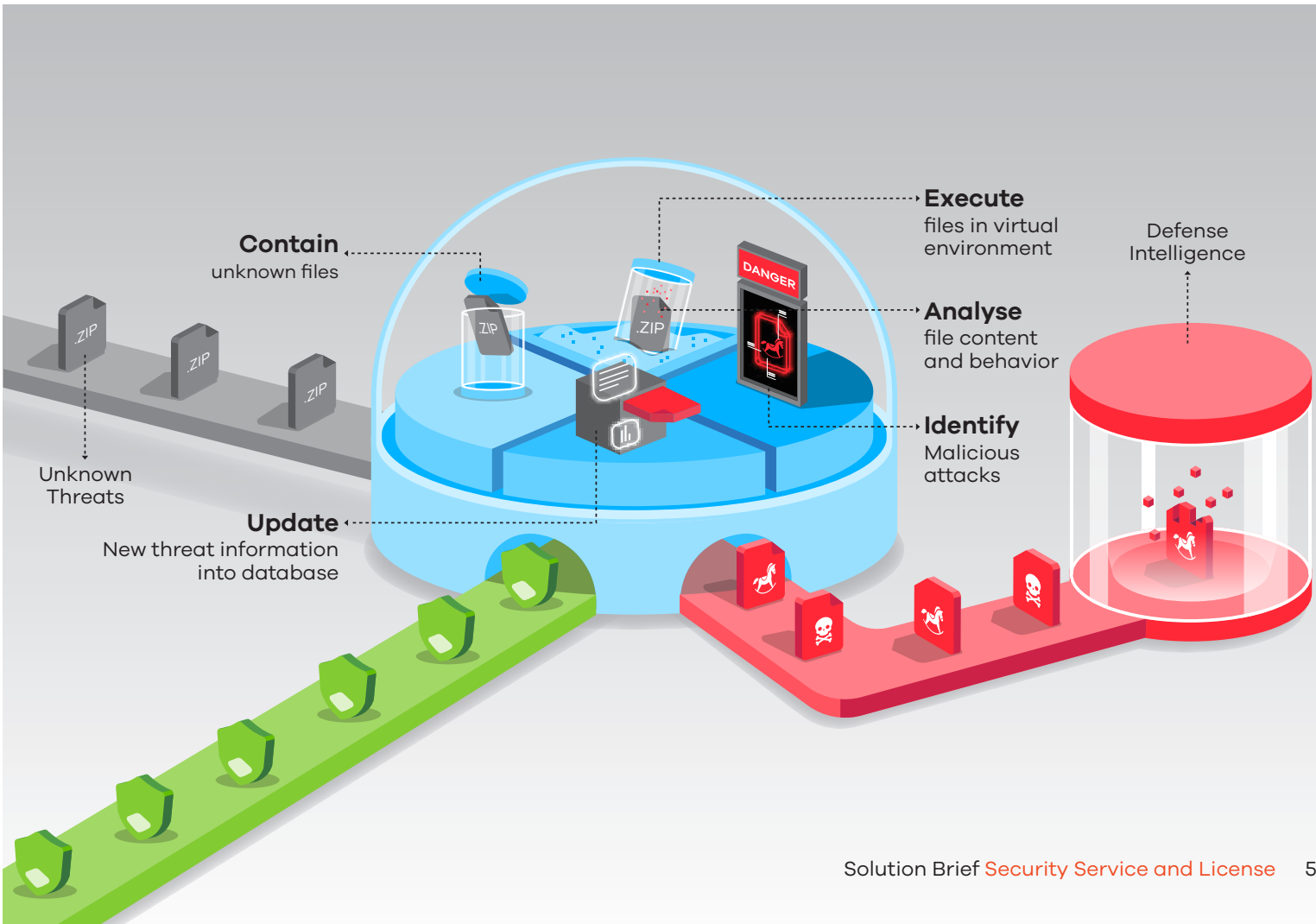
## Sandboxing

### 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.





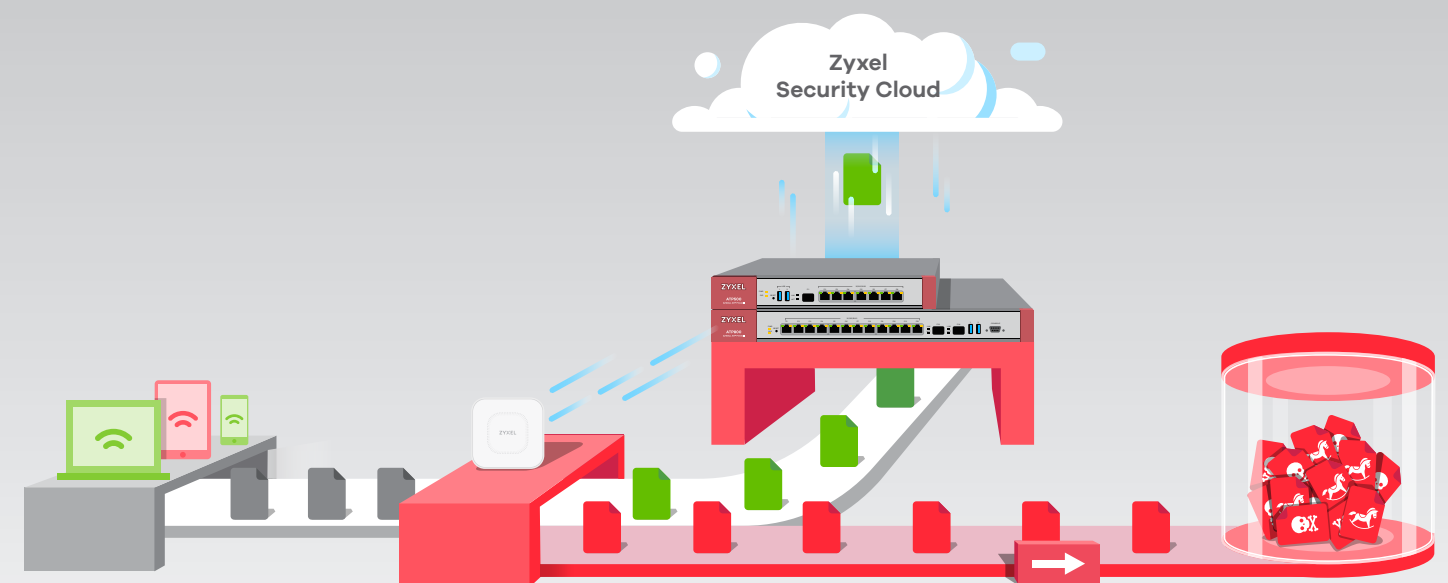
Improve security by blocking access to malicious or risky web sites, control access with integrated firewall policy for highly granular blocking and filtering with the Zyxel's Web Filtering/Content Filtering. Integrates with evolving cloud database to protect your business defense undesirable access 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.



Geo Enforcer identifies the country of origin of incoming traffic by examining its IP address. Monitors traffic and analyzes log data of IP address locations while denying access from unnecessary or potentially dangerous traffic. You can also block specific high-risk agents or internet service providers to protect your network. More security for your business network with less management time required.



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

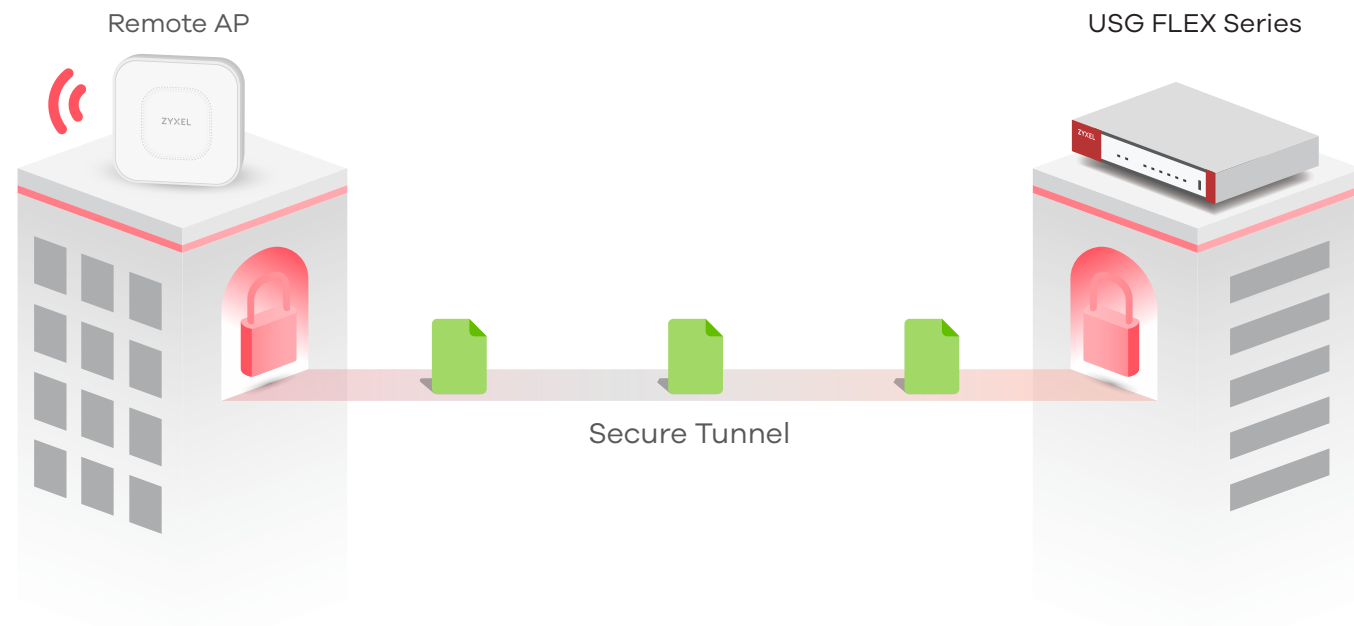
Secure WiFi service is used to build a secure L2 tunnel for Work-From-Home user to the office guaranteeing the same security level, the same user experience, the same WiFi and even the same IP address in the office, which boosts up productivity and eases IT support. The Secure WiFi service also unlocks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



## Remote Workplaces



## Office Networks


















# 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										Connectivity				
Firewall Series	Pack	Licensed Service										Licensed Service				
		Anti-Malware/ Virus	Web Filtering/ Content Filtering	Sandboxing	Reputation Filter	IPS/IDP	Application Patrol	Email Security/ Anti-Spam	SecuReporter Premium	Security Profile Sync	Collaborative Detection & Response	Secure WiFi	Hotspot Management	Concurrent Device Upgrade	Nebula Professional Pack	Nebula Plus Pack
																
		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	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
ATP	Gold Security Pack	●	●	●	●	●	●	●	●	●	●	●			●	
USG FLEX	UTM Security Pack	●	●			●	●	●	●	●	●	●*	●*	●*	●*	●*
USG20(W)-VPN	Content Filter Pack		●						●	●					●*	●*
USG	UTM Security Pack	●	●			●	●	●	●							
NSG	Nebula Security Pack	●	●			●	●								●*	●*

\*: Pack Purchasing Options:







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

# 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	Security Profile Sync	Collaborative Detection & Response	SecuReporter Premium	Sandboxing	Reputation Filter	SecuExtender VPN Client
											
	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	An easy-to-use tool to help business sync up security profiles across multiple networks	Automatically contain threats at the network edge	Cloud-based security analytics and report with 30-day log retention	Cloud-based sandbox technology against unknown threats	Block botnet infection and prevent drive-by download from infected websites via IP and URL detection	SSL VPN and IPSec VPN remote access tool
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	•	•	•	•	•			•			•
NSG50/100/200/300	•	•	•	•							•*
VPN50	•	•									•
VPN100/300/1000	•	•									•










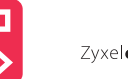

## Connectivity

Compatible Security Appliances	Licensed Service					
	Secure WiFi	Hotspot Management	Concurrent Device Upgrade	Nebula SD-WAN	Nebula Professional Pack	Nebula Plus Pack
						
	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
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		•	•			
NSG50/100/200/300					•	•
VPN50	•			•		
VPN100/300/1000	•	•	•	•		

\*: NSG50/100/200/300 support IPSec VPN only.

## Default Support for

## Registered Devices

Licensed Service										
Amazon VPC	Microsoft Azure	Managed AP Service	2-Factor Authentication	Single Sign-On	Geo Enforcer	SSL (HTTPS) Inspection	Device Insight	Device High Availability Pro	Zyxel One Network	Nebula Base Pack
										
Easy network integration with AWS	Easy network integration with Azure	AP auto discovery and provisioning	Add an extra layer of protection to mitigate the risk of credential leakage or brute force attack	Simplified single sign in to multiple resources	Manage network traffic by mapping IP address to geographical regions	Unlock encrypted sessions, scan encrypted packets, find threats, and block them	Deploy agentless scanning of the network for discovery and classification of devices	Device failure detection and failover	A Unified installation tool for Zyxel switches, WLAN and gateways	License-free feature set with a rich set of management features
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Post your questions to Facebook anytime. Support is available in English.

facebook.com/zyxel



### Twitter

Post your questions to Twitter anytime. Support is available in English.

twitter.com/ZyxelHome



### Instagram

Follow our Instagram to get the latest event and information.

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### Forum

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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Follow us for the latest updates on Zyxel products for your home!

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## Shop License Online



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