

Anti-Virus Security Service

Zyxel Anti-Virus security subscription is a gateway-level Anti-Virus technology targeting known malware including viruses, Trojans, worms, spyware and rogue ware, Zyxel Anti-Virus scans traffic on major protocols including HTTP, HTTPS, FTP, SMTP, and POP3. Gateway-level Anti-Virus protection is first-line essential security for business networks to guard against these threats.

End-point Anti-Virus is insufficient:

When discussing Anti-Virus, the common image that comes to mind is installing software on PCs. However, this approach falls far short of providing complete protection against malware on business networks. The main reasons for gateway Anti-Virus include:

- End-point Anti-Virus can be disabled or outdated
- End users need to be protected from malware before it reaches the end point
- Mobile devices and peripherals are usually not covered by end-point Anti-Virus utility
- Today, if end-point Anti-Virus is the only protection a business network relies on, the network risks easy infection.



Integrate Kaspersky's leading technology Safe Stream II gateway Anti-Virus



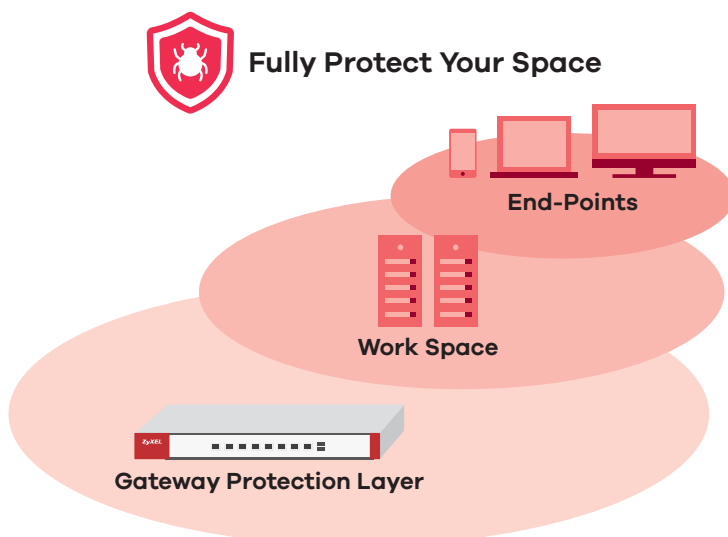
Fast stream-based scanning provides real-time protection with no file size limitation



High detection rate without sacrificing performance



Cloud-optimized database supported



Benefits

Leading technology

Zyxel's gateway Anti-Virus incorporates the leading technology Safe Stream II from Kaspersky Lab, which has achieved first-in-class detection rates, consistently garnering awards from AV-Comparatives independent test labs and receiving Dennis Labs AAA protection certificate.

The Zyxel Anti-Virus utilizes fast response and a light-weight approach to security, which enhances effectiveness while consuming limited computing power. Zyxel Anti-Virus provides thorough protection against "in-the-wild" malware that are currently wide-ranging on global networks. The integration of Zyxel security gateway products and Kaspersky Safe Stream II technology enables stream-based antimalware scanning, as well as provides support for various protocols, including HTTP, FTP, SMTP, POP3 and IMAP. Additional support for SSL (HTTPS) encryption inspection is also provided. This integration allows for the thorough scanning of archives and packed objects including ZIP, PKZIP e, GZIP and RAR without any file-size limitations.

Features

- Powered by Kaspersky
 - Anti-Malware/Virus technology protects users from most dangerous and widespread threats ("in-the-wild" malware)
 - Kaspersky Security Network (KSN) delivers security intelligence
- Stream-based Anti-Malware/Virus engine
- No file size limitation
- SSL inspection support
- HTTP/HTTPs, FTP/FTP, SMTP/SMTPs, POP3/POP3s and IMAP/IMAPs protocol support
- Daily update KAV SSII signature database from Cloud
- Customizable new signature checking period: Hourly/Daily/Weekly
- Support automatic new signature update mechanism

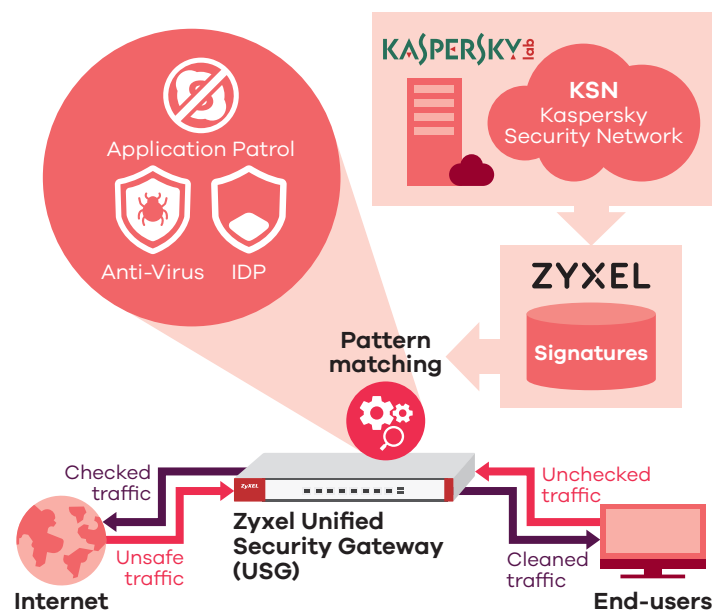
Keep security always updated

To ensure customers' networks are equipped with best and most current protection, Zyxel continuously updates signatures and heuristics to detect and block malware. Through its subscription Anti-Virus, Zyxel provides daily checks and automatically updated signature service to security appliances and commercial gateways. Signatures collected and implemented from Kaspersky Security Network (KSN) Kaspersky's cloud-based world intelligence network - which has more than 100 million KL endpoints connect to - make it possible to achieve the fastest reaction times, lowest false positive rates, and highest level of protection.





Zyxel gateway Anti-Virus is one of the subscription services available for our USG and ZyWALL series, providing unified security and simplified management. Stream-based scanning on Zyxel multi-core hardware platforms greatly reduces latency and memory problems caused by traditional file-based scanning. Zyxel hardware accelerated Anti-Virus reaches triple-scanning performance compared with competing solutions.

Application Diagram

When inbound network traffic passes through the Zyxel security gateway products, the embedded Anti-Virus engine inspects the traffic at wire-speed based on the signatures in device signature database. Should viruses, Trojans, worms or spyware be detected, the Anti-Virus engine will decontaminate the traffic before sending it to end-users. The Kaspersky Security Network provides the cloud signature database with daily signature updates for real-time protection against malware outbreaks.



Compatible Security Appliances

Category	Product	
Next-Gen USG Performance Series	USG40/40W/60/60W	
Next-Gen USG Advanced Series	USG110/210/310	
Next-Gen USG Extreme Series	USG1100/1900	
VPN Firewall	ZyWALL 110/310/1100	

Compatible Security Appliances License Overview

License	Anti-Virus		Anti-Spam		Content Filtering 2.0		IDP with Application Patrol		Hotspot Management		Device HA Pro	
	1 year	2 years	1 year	2 years	1 year	2 years	1 year	2 years	1 year	One-time	One-time	
Next-Gen USG Series												
USG40/40W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	
USG60/60W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	
USG110	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USG210	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USG310	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USG1100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USG1900	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
VPN Firewall Series												
USG20-VPN	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	
USG20W-VPN	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	
ZyWALL 110	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
ZyWALL 310	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
ZyWALL 1100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Compatible Security Appliances Performance Overview

License	Firewall (Mbps)	Firewall + IPS (Mbps)	Firewall + AV (Mbps)	Firewall + UTM (AV+IDP)(Mbps)	Maximum Concurrent Connections	New Session Rate
Next-Gen USG Series						
USG40/40W	400	55	50	50	20,000	1,000
USG60/60W	1,000	120	90	90	40,000	1,000
USG110	1,600	250	300	250	60,000	2,800
USG210	1,900	300	350	300	80,000	2,800
USG310	5,000	500	450	450	200,000	8,000
USG1100	6,000	550	500	500	500,000	8,000
USG1900	7,000	650	550	550	500,000	8,000
VPN Firewall Series						
USG20-VPN	350	-	-	-	20,000	2,000
USG20W-VPN	350	-	-	-	20,000	2,000
ZyWALL 110	1,600	250	300	250	60,000	2,800
ZyWALL 310	5,000	500	450	450	200,000	8,000
ZyWALL 1100	7,000	650	550	550	500,000	8,000

For more product information, visit us on the web at www.zyxel.com

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