

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- End-point Anti-Virus can be disabled or outdated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.



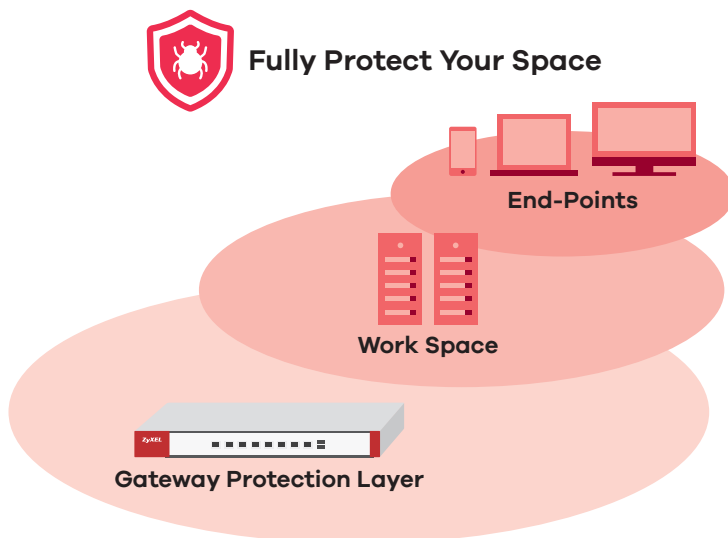
Fast stream-based scanning provides real-time protection with no file size limitation



High detection rate without sacrificing performance



Cloud-optimized database supported



Benefits

Leading technology

Zyxel's gateway Anti-Virus incorporates the leading technology with third-party, 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 enable 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

- Anti-Malware/Virus technology protects users from most dangerous and widespread threats ("in-the-wild" malware)
- Stream-based Anti-Malware/Virus engine
- No file size limitation
- SSL inspection support

Keep security always updated

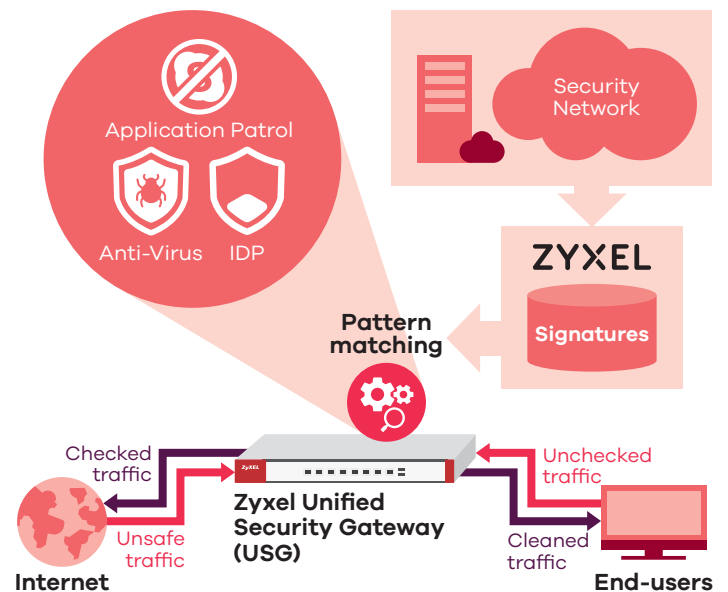
To ensure customers' networks are equipped with best and most current protection, Zyxel continuously updates signatures and heuristics to detect and block malware. Through its subscription Anti-Virus, Zyxel provides daily checks and automatically updated signature service to security appliances and commercial gateways. Signatures collected and implemented from cloud-based world intelligence network - which has more than 100 million 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.





- HTTP/HTTPs, FTP/FTP, SMTP/SMTPs, POP3/POP3s and IMAP/IMAPs protocol support
- Daily update signature database from Cloud
- Customizable new signature checking period: Hourly/Daily/Weekly
- Support automatic new signature update mechanism

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 Security Network provides the cloud signature database with daily signature updates for real-time protection against malware outbreaks.



Compatible Security Appliances

Category	Product	
USG SMB Series	USG40/40W/60/60W	
USG MB Series	USG110/210/310	
USG Enterprise Series	USG1100/1900/2200	
VPN Firewall	ZyWALL 110/310/1100	

Compatible Security Appliances License Overview

License	Anti-Virus		Anti-Spam		Content Filtering 2.0		IDP with Application Patrol		SecuReporter Premium		Hotspot Management	
	1 year	2 years	1 year	2 years	1 year	2 years	1 year	2 years	1 year	2 years	1 year	One-time
ZyWALL USG Series												
USG40/40W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
USG60/60W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USG110	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USG210	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USG310	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USG1100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USG1900	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USG2200	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VPN Firewall Series												
USG20-VPN	-	-	Yes	Yes	Yes	Yes	-	-	Yes	Yes	-	-
USG20W-VPN	-	-	Yes	Yes	Yes	Yes	-	-	Yes	Yes	-	-
ZyWALL 110	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZyWALL 310	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZyWALL 1100	Yes	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
ZyWALL USG Series						
USG40/40W	400	95	80	60	50,000	2,000
USG60/60W	1,000	150	150	110	100,000	3,000
USG110	1,600	590	450	450	150,000	3,500
USG210	1,900	660	500	500	200,000	3,500
USG310	5,000	900	890	550	500,000	10,000
USG1100	6,000	1,000	990	650	1,000,000	15,000
USG1900	7,000	1,200	1,100	710	1,000,000	20,000
USG2200	25,000	2,000	2,000	1,100	1,500,000	30,000
VPN Firewall Series						
USG20-VPN	350	-	-	-	20,000	2,000
USG20W-VPN	350	-	-	-	20,000	2,000
ZyWALL 110	1,600	590	450	450	150,000	3,500
ZyWALL 310	5,000	900	890	550	500,000	10,000
ZyWALL 1100	7,000	1,000	990	650	1,000,000	15,000

*: With Express Mode enabled

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

Copyright © 2020 Zyxel and/or its affiliates. All rights reserved.
All specifications are subject to change without notice.



24/04/20