



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.

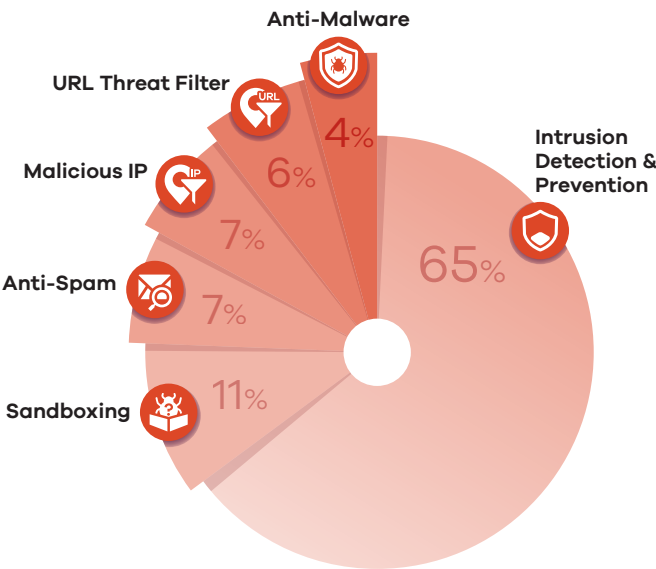


Zyxel Security Cloud

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.

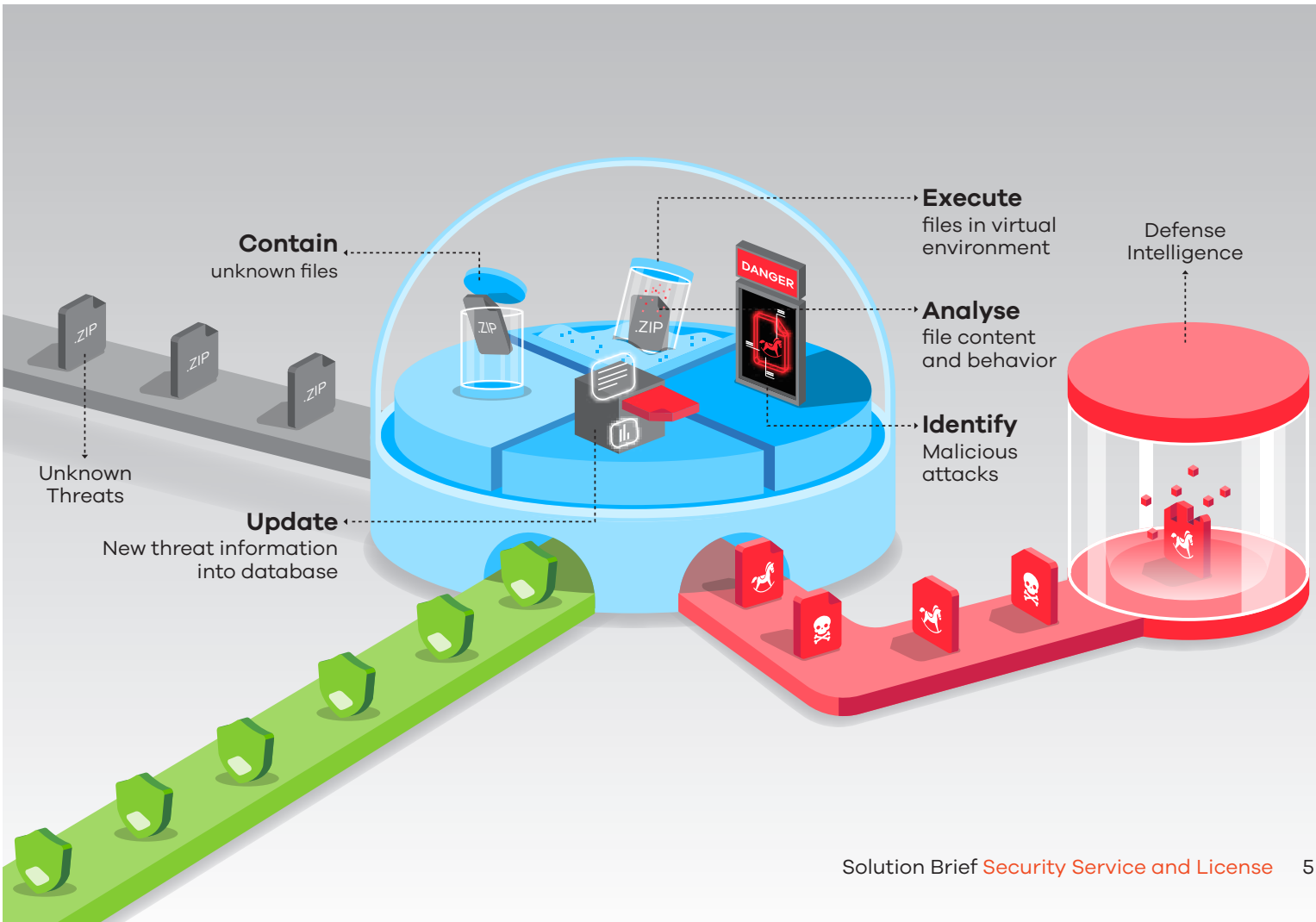
Sandboxing

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.



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.

Geo Enforcer

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.

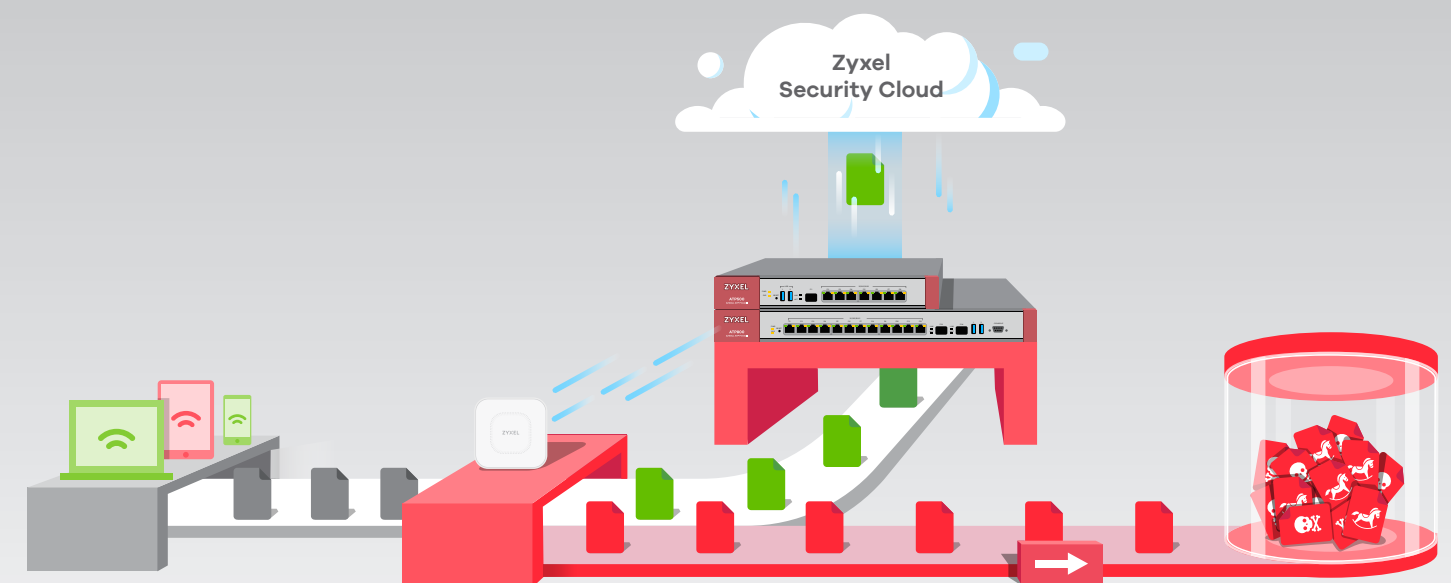
Stay ahead of threats

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.

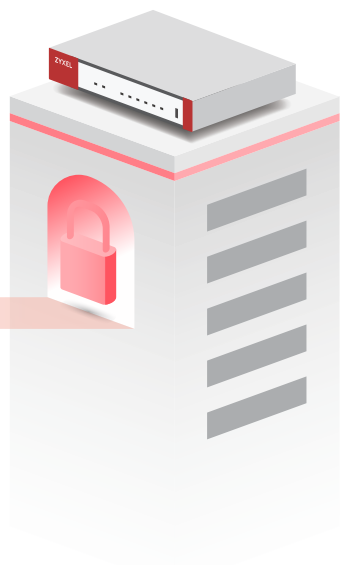


Remote Workplaces



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										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 inspectionw 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	3-in-1 UTM Security Pack	●	●			●*	●*	●	●								
NSG	2-in-1 Nebula Security Pack	●	●			●*	●*								●**	●**	












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

**:. 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	•	•	•	•	•			•			•
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		•	•			
VPN50	•			•		
VPN100/300/1000	•	•	•	•		

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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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.

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Corporate Headquarters

Zyxel Networks Corp.
Tel: +886-3-578-3942
Fax: +886-3-578-2439
Email: sales@zyxel.com.tw
www.zyxel.com

Europe

Zyxel Belarus
Tel: +375 25 604 3739
Email: info@zyxel.by
www.zyxel.by

Zyxel Norway
Tel: +47 22 80 61 80
Fax: +47 22 80 61 81
Email: salg@zyxel.no
www.zyxel.no

Zyxel BeNeLux
Tel: +31 23 555 3689
Fax: +31 23 557 8492
Email: sales@zyxel.nl
www.zyxel.nl
www.zyxel.be

Zyxel Poland
Tel: +48 223 338 250
Hotline: +48 226 521 626
Fax: +48 223 338 251
Email: info@pl.zyxel.com
www.zyxel.pl

Zyxel Bulgaria (Bulgaria, Macedonia, Albania, Kosovo)
Tel: +3592 4443343
Email: info@cz.zyxel.com
www.zyxel.bg

Zyxel Romania
Tel: +40 31 0809 888
Fax: +40 31 0809 890
Email: info@cz.zyxel.com
www.zyxel.ro

Zyxel Czech Republic
Tel: +420 241 091 350
Hotline: +420 241 774 665
Fax: +420 241 091 359
Email: sales@cz.zyxel.com
www.zyxel.cz

Zyxel Russia
Tel: +7 499 705 6106
Email: info@zyxel.ru
www.zyxel.ru

Zyxel Denmark A/S
Tel: +45 39 55 07 00
Fax: +45 39 55 07 07
Email: sales@zyxel.dk
www.zyxel.dk

Zyxel Slovakia
Tel: +421 220 861 847
Hotline: +421 220 861 848
Fax: +421 243 193 990
Email: info@cz.zyxel.com
<http://www.zyxel.sk>

Zyxel Finland
Tel: +358 9 4780 8400
Email: myynti@zyxel.fi
www.zyxel.fi

Zyxel Sweden A/S
Tel: +46 8 55 77 60 60
Fax: +46 8 55 77 60 61
Email: sales@zyxel.se
www.zyxel.se

Zyxel France
Tel: +33 (0)4 72 52 97 97
Fax: +33 (0)4 72 52 19 20
Email: info@zyxel.fr
www.zyxel.fr

Zyxel Switzerland
Tel: +41 (0)44 806 51 00
Fax: +41 (0)44 806 52 00
Email: info@zyxel.ch
www.zyxel.ch

Zyxel Germany GmbH
Tel: +49 (0) 2405-6909 0
Fax: +49 (0) 2405-6909 99
Email: sales@zyxel.de
www.zyxel.de

Zyxel Turkey A.S.
Tel: +90 212 314 18 00
Fax: +90 212 220 25 26
Email: bilgi@zyxel.com.tr
www.zyxel.com.tr

Zyxel Hungary & SEE
Tel: +36 1 848 0690
Email: info@zyxel.hu
www.zyxel.hu

Zyxel UK Ltd.
Tel: +44 (0) 118 9121 700
Fax: +44 (0) 118 9797 277
Email: sales@zyxel.co.uk
www.zyxel.co.uk

Zyxel Iberia
Tel: +34 911 792 100
Email: ventas@zyxel.es
www.zyxel.es

Zyxel Ukraine
Tel: +380 89 323 9959
Email: info@zyxel.ua
www.zyxel.ua

Zyxel Italy
Tel: +39 011 230 8000
Email: info@zyxel.it
www.zyxel.it

Asia

Zyxel China (Shanghai) China Headquarters
Tel: +86-021-61199055
Fax: +86-021-52069033
Email: sales@zyxel.cn
www.zyxel.cn

Zyxel China (Beijing)
Tel: +86-010-62602249
Email: sales@zyxel.cn
www.zyxel.cn

Zyxel China (Tianjin)
Tel: +86-022-87890440
Fax: +86-022-87892304
Email: sales@zyxel.cn
www.zyxel.cn

Zyxel India
Tel: +91-11-4760-8800
Fax: +91-11-4052-3393
Email: info@zyxel.in
www.zyxel.in

Zyxel Kazakhstan
Tel: +7 727 350 5683
Email: info@zyxel.kz
www.zyxel.kz

Zyxel Korea Corp.
Tel: +82-2-890-5535
Fax: +82-2-890-5537
Email: sales@zyxel.kr
www.zyxel.kr

Zyxel Malaysia
Tel: +603 2282 1111
Fax: +603 2287 2611
Email: sales@zyxel.com.my
www.zyxel.com.my

The Americas

Zyxel USA North America Headquarters
Tel: +1-714-632-0882
Fax: +1-714-632-0858
Email: sales@zyxel.com
us.zyxel.com

Zyxel Brazil
Tel: +55 (11) 3373-7470
Fax: +55 (11) 3373-7510
Email: comercial@zyxel.com.br
www.zyxel.com/br/pt/

Zyxel Middle East FZE
Tel: +971 4 372 4483
Cell: +971 562146416
Email: sales@zyxel-me.com
www.zyxel-me.com

Zyxel Philippine
Email: sales@zyxel.com.ph
www.zyxel.com.ph

Zyxel Singapore
Tel: +65 6339 3218
Hotline: +65 6339 1663
Fax: +65 6339 3318
Email: sales@zyxel.com.sg
www.zyxel.com.sg

Zyxel Taiwan (Taipei)
Tel: +886-2-2739-9889
Fax: +886-2-2735-3220
Email: sales_tw@zyxel.com.tw
www.zyxel.com.tw

Zyxel Thailand
Tel: +66-(0)-2831-5315
Fax: +66-(0)-2831-5395
Email: info@zyxel.co.th
www.zyxel.co.th

Zyxel Vietnam
Tel: (+848) 35202910
Fax: (+848) 35202800
Email: sales_vn@zyxel.com.tw
www.zyxel.com/vn/vi/



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