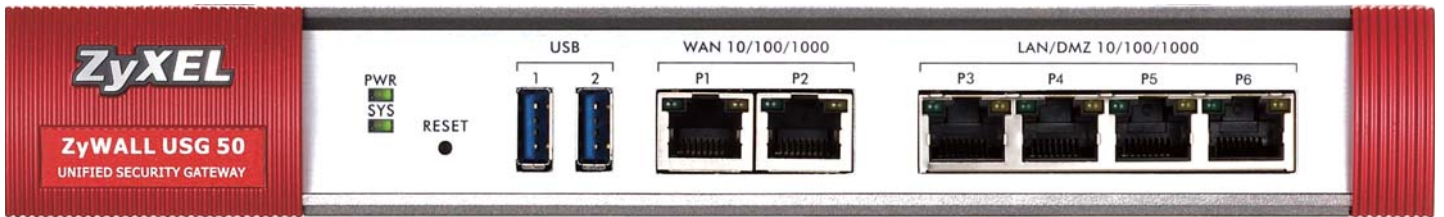


ZyWALL USG 50



Key Features

- Hybrid VPN (IPSec / SSL / L2TP 동시지원)
- ICSA Labs 인증
- Content Filter (BlueCoat or Commtouch)
- Anti Virus(Kaspersky or ZyXEL Anti-Virus)
- 회선 이중화(Multiple WAN) 및 부하분산
- IPv6 지원
- Windows 7 완벽지원

Hardware Specifications

- 2 x All Gigabit WAN
- 4 x LAN/DMZ port
- 2 x USB Interface
- 저소음 설계

System Capacity & Performance

- SPI Firewall Throughput: 225 Mbps
- VPN Throughput (3DES): 90 Mbps
- UTM Throughput (AV+IDP): 30Mbps
- Max Sessions: 10,000
- Unlimited User Licenses
- Max. Concurrent IPSec VPN Tunnels: 30
- Max. Concurrent SSL VPN Users: 5
- Customizable Zone
- Web Security - Content Filtering
- E-mail security - Anti-SPAM
- Intrusion Detection and Prevention
- Anomaly Detection and Prevention
- Application Patrol (IM/P2P Management)
- Bandwidth Management
- Endpoint Security
- User-aware Management
- VPN HA
- Multiple WANs for Load Balancing (WAN/WAN, WAN/3G)
- 다양한 모니터링 방식과 리포트 제공

제품개요

ZyWALL USG 50은 20명 이하의 중소기업 고객을 위해 개발된 최적의 통합 보안 장비입니다.

Gigabit 완벽 지원

2개의 WAN 포트와 4개의 LAN/DMZ 포트를 포함하여 총 6개의 10/100/1000Mbps 기가비트 포트를 통해 기가비트 통신망을 이용하여 고해상도 동영상 전송 및 파일 작업을 더욱 빠르게 완료할 수 있습니다.

225Mbps SPI(Stateful Packet Inspection) 방화벽

ZyWALL USG 시리즈는 보다 강력한 보안 아키텍처 성능으로 강력한 통합 보안 솔루션을 제공합니다. 225Mbps의 방화벽 성능으로 네트워크 성능의 저하 없이 실시간 보안 기능을 제공합니다.

3가지 VPN(IPsec / L2TP / SSL) 동시 지원

IPSec / L2TP 방식의 VPN 기능을 제공하며 일반적인 터널 방식인 Site to Site 방식으로 지사와 원격으로 연결이 가능합니다. PC 및 안드로이드폰과 아이폰 등 모바일을 통한 연결이 가능하며, SSL VPN 지원으로 원격 사용자는 별도의 설정없이 로그인 정보를 통해 회사 내부로 접속이 가능합니다.

다양한 모니터링 방식과 리포트 기능

ZyWALL USG 시리즈는 서비스 포트 트래픽, 웹사이트 접속수, IP별 트래픽을 그래픽화하여 네트워크 관리자가 보다 알기 쉽도록 다양한 모니터링 방식을 제공합니다.

서비스 라이선스를 통한 통합 보안 기능 옵션

안티 바이러스, 안티 스팸, 침입 탐지 및 차단(IDP), 콘텐츠 필터 기능을 별도의 라이선스를 통해 지원하여 악성코드, 스파이웨어, 피싱으로부터 사용자의 네트워크 침입을 실시간으로 차단합니다.

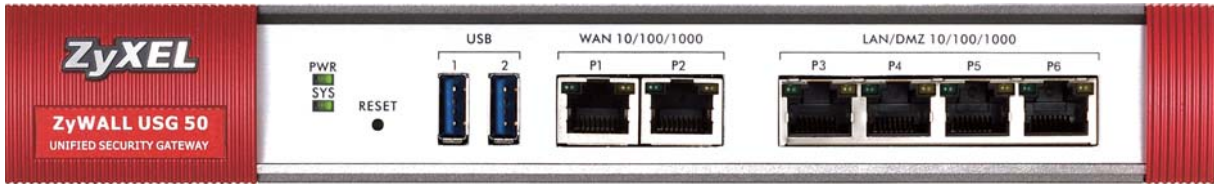
IPv6 지원

IPv6 Ready 인증을 획득하여 IPv4 기반의 네트워크에서 Full IPv6로 이동이 가능합니다.

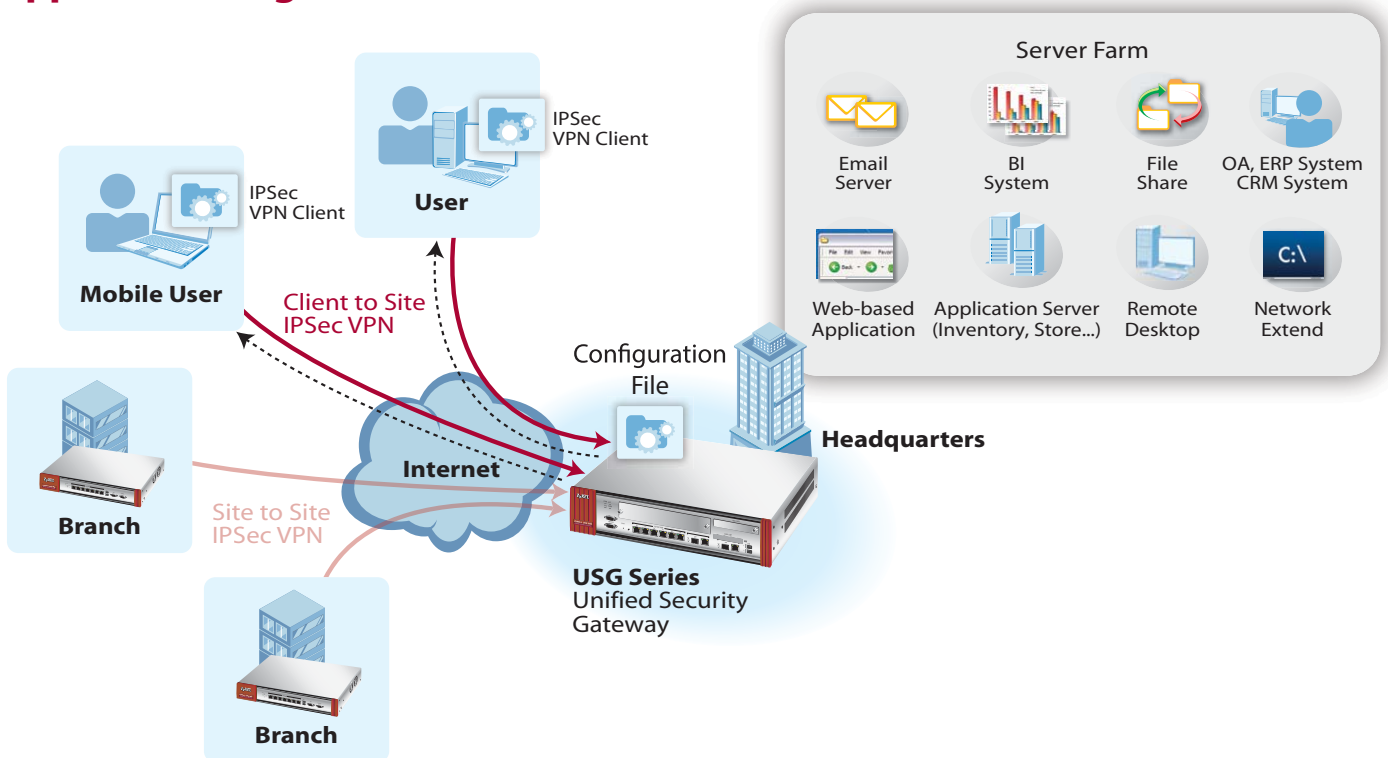
편리한 관리자 인터페이스

쉬운 메뉴 설정을 제공하며 실제 장비의 모습을 볼 수 있어 한 번에 장비의 상태를 모니터링 할 수 있습니다.







Product Picture



Application Diagram



ZyWALL USG Series

Model	USG 20	USG 20W	USG 50	USG 100	USG 100-PLUS	USG 200	
Product photo							
Hardware Specifications							
10/100/1000 interfaces (Copper)	4 x LAN/DMZ, 1 x WAN	4 x LAN/DMZ, 1 x WAN	4 x LAN/DMZ, 2 x WAN	5 x LAN/DMZ, 2 x WAN	4 x LAN/DMZ, 2 x WAN	5 x LAN/DMZ, 2 x WAN, 1 x OPT	
USB ports	1	1	2	2	2	2	
Card slot	-	-	-	1	-	1	
System Capacity & Performance^{*1}							
SPI firewall throughput ^{*2} (Mbps)	175	175	225	225	600	250	
VPN throughput (AES) ^{*3} (Mbps)	75	75	90	90	150	90	
UTM throughput (AV+IDP) ^{*4} (Mbps)	-	-	30	30	30	40	
Unlimited user licenses	Yes	Yes	Yes	Yes	Yes	Yes	
Max. sessions ^{*5}	10,000	10,000	10,000	20,000	40,000	40,000	
New session rate	1,000	1,000	1,200	1,200	1,200	1,200	
Max. concurrent IPSec VPN tunnels	5	5	10	50	50	100	
Max. concurrent SSL VPN users	1	1	5	25	25	25	
Included SSL VPN users	1	1	2	2	2	2	
Customizable zone	Yes	Yes	Yes	Yes	Yes	Yes	
IPv6 support	Yes	Yes	Yes	Yes	Yes	Yes	
Built-in Wireless LAN							
Standards	-	802.11 b/g/n	-	-	-	-	
Antennas	-	2 detachable	-	-	-	-	
Wi-Fi throughput ^{*6} (Mbps)	-	80	-	-	-	-	
Maximum output power	-	802.11b: 18.5 dBm @ 11 Mbps 802.11g: 15.5 dBm @ 54 Mbps 802.11n: 15.5 dBm @ 20 Mbps	-	-	-	-	
Radio sensitivity	-	802.11b: ≤ -83 dBm @ 11 Mbps 802.11g: ≤ -70 dBm @ 54 Mbps 802.11n: ≤ -64 dBm @ 20 Mbps	-	-	-	-	
Power Requirement							
Input voltage	100 - 240 V AC, 50/60 Hz, 1.5 A	100 - 240 V AC, 50/60 Hz, 1.5 A	100 - 240 V AC, 50/60 Hz, 1.5 A	100 - 240 V AC, 50/60 Hz, 2 A	100 - 240 V AC, 50/60 Hz, 1.5 A	100 - 240 V AC, 50/60 Hz, 2 A	
Power rating	15 W Max.	16 W Max.	17 W Max.	20 W Max.	17 W Max.	20 W Max.	
Power consumption (watt)	15	16	17	20	17	20	
Physical Specifications							
Item	Dimensions (WxDxH)(mm/in.)	216 x 140 x 33/ 8.50 x 5.51 x 1.30	216 x 140 x 33/ 8.50 x 5.51 x 1.30	242 x 167 x 35.5/ 9.53 x 6.57 x 1.40	242 x 175 x 35.5/ 9.53 x 6.89 x 1.40	242 x 167 x 35.5/ 9.53 x 6.57 x 1.40	242 x 175 x 35.5/ 9.53 x 6.89 x 1.40
	Weight (kg/lb.)	0.38/0.84	0.42/0.93	1.2/2.65	1.2/2.65	1.2/2.65	1.2/2.65
Packing	Dimensions (WxDxH)(mm/in.)	305 x 205 x 106/ 12.01 x 8.07 x 4.17	305 x 205 x 106/ 12.01 x 8.07 x 4.17	375 x 238 x 108/ 14.76 x 9.37 x 4.25	296 x 158 x 241/ 11.65 x 6.22 x 9.49	375 x 238 x 108/ 14.76 x 9.37 x 4.25	296 x 158 x 241/ 11.65 x 6.22 x 9.49
	Weight (kg/lb.)	1/2.20	1.1/2.43	2.4/5.29	2.7/5.95	2.4/5.29	3/6.61
Environmental Specifications							
Operating temperature	0°C to 40°C/32°F to 104°F						
Storage temperature	-30°C to 60°C/-22°F to 140°F						
Operating humidity	5% to 90% (non-condensing)						
MTBF (hr)	323,269	301,502	871,265	323,823	871,265	323,823	

Note:

*1: Actual performance may vary depending on network conditions and activated applications.

*2: Maximum throughput based on RFC 2544 (1,518-byte UDP packets).

*3: VPN throughput measured based on RFC 2544 (1,424-byte UDP packets).

*4: UTM (AV and IDP) throughput measured using the industry standard IXIA IxLoad testing tool (1,460-byte HTTP packets).

*5: Maximum sessions measured using the industry standard IXIA IxLoad testing tool.

*6: Wireless throughput measured using the industry standard IXIA IxLoad testing tool (802.11n, 20 MHz, WPA2-PSK).

Features

Firewall

- ICSA-certified firewall
- Routing and transparent (bridge) mode
- Zone-based access control list
- Stateful packet inspection
- User-aware policy enforcement
- SIP/H.323 NAT traversal
- ALG supports custom ports

IPv6 Support

- IPv6 Ready gold logo certified
- Dual stack
- IPv4 tunneling (6rd and 6to4 transition tunnel)
- Host/Router/Firewall

Virtual Private Network (VPN)

- ICSA-certified IPSec VPN
- Algorithm: AES/3DES/DES
- Authentication: SHA-1, SHA-2/MD5
- Key management: Manual key/IKE
- Perfect forward secrecy (DH groups) support 1, 2, 5
- IPSec NAT traversal
- Dead peer detection/relay detection
- PKI (X.509) certificate support
- Centralize VPN support
- Simple wizard support
- Auto reconnect VPN
- VPN HA (redundant remote VPN gateways)

SSL VPN

- Clientless secure remote access
- Support reverse proxy mode and full tunnel mode
- Unified policy enforcement
- Supports two-factor authentication
- Customizable user portal

Intrusion Detection and Prevention (IDP)^{*1} (USG 50/100/100-PLUS/200)

- Routing and transparent (bridge) mode
- Zone-based IDP inspection
- Customizable protection profile
- Protect over 2000 attack

- Automatic signature updates
- Custom signatures
- Protocol anomaly detection and protection
- Traffic anomaly detection and protection
- Flooding detection and protection
- DoS/DDoS protection

Application Intelligence^{*1} (Application Patrol)

- Identify more than 600 applications, including IM, P2P, social network, stream media, VoIP, and others
- Support application granularity control
- Manage use of Skype/MSN, GoogleTalk, Facebook at business hours, or never
- Block all use of P2P and Games applications all the time (or during business hours)
- Bandwidth management for P2P, Stream Media, File Transfer, or particular applications
- Daily check and auto update application signatures
- Real-Time statistical reports

Anti-Virus^{*2} (USG 50/100/100-PLUS/200)

- Support Kaspersky and ZyXEL Anti-Virus
- Stream-based Anti-Virus engine
- Zone base AV protection
- HTTP/FTP/SMTP/POP3/IMAP4 protocol support
- Automatic signature updates
- No file size limitation
- Blacklist/whitelist support

Anti-Spam

- Zone to zone protection
- Transparently intercept mail via SMTP/POP3 protocols
- POP3/SMTP port configurable
- Sender-based IP reputation filter
- Commtouch RPD query
- Zero-hour virus outbreak protection
- X-Header support
- Blacklist/whitelist support
- Support DNSBL checking
- Spam tag support
- Statistics report

High Availability (USG 100/200)

- Active-Passive mode
- Device failure detection and notification
- Support ICMP and TCP ping check
- Link monitoring
- Auto-Sync configurations

Content Filtering (BlueCoat and Commtouch)^{*3}

- Social networking control
- Web security—Security threat category (powered by BlueCoat)
- URL blocking, keyword blocking
- Profile base setting
- Exempt list (blacklist and whitelist)
- Blocks java applet, cookies and active X
- Dynamic URL filtering database (powered by BlueCoat and Commtouch)
- Unlimited user licenses support
- Customize warning messages and redirect URL

Networking

- Routing mode/bridge mode/mixed mode
- Layer 2 port grouping
- Ethernet/PPPoE
- NAT/PAT
- Tagged VLAN (802.1Q)
- Virtual interface (alias interface)
- Policy-based routing (user-aware)
- Policy-based NAT (SNAT)
- Dynamic routing (RIP v1/v2, OSPF)
- DHCP client/server/relay
- Dynamic DNS support
- WAN Trunk more than 2 port (USG 50/100/100-PLUS/200)
- Per host session limit
- Guaranteed bandwidth
- Maximum bandwidth
- Priority-bandwidth utilization



License

Product information	Model name	P/N
Licence for Firewall Appliance	E-iCARD 1 year Bluecoat Content Filter USG 50	91-995-231001B
Licence for Firewall Appliance	E-iCARD 2 years Bluecoat Content Filter USG 50	91-995-232001B
Licence for ZyWALL Firewall Appliance	E-iCARD 1 year ZyXEL AV ZyWALL USG 50	91-995-235001B
Licence for ZyWALL Firewall Appliance	E-iCARD 2 year ZyXEL AV ZyWALL USG 50	91-995-236001B
Licence for ZyWALL Firewall Appliance	E-iCARD 1 year Kaspersky AV ZyWALL USG 50	91-995-233001B
Licence for ZyWALL Firewall Appliance	E-iCARD 2 year Kaspersky AV ZyWALL USG 50	91-995-234001B
Licence for ZyWALL Firewall Appliance	E-iCARD 1 year IDP ZyWALL USG 50	91-995-237001B
Licence for ZyWALL Firewall Appliance	E-iCARD 2 year IDP ZyWALL USG 50	91-995-238001B
Licence for ZyWALL Firewall Appliance with ZLD 3.0	E-iCARD 1 YR Commtouch Anti-Spam License for ZyWALL USG 50	USG50-CS1-ZZ0101F
Licence for ZyWALL Firewall Appliance with ZLD 3.0	E-iCARD 2 YR Commtouch Anti-Spam License for ZyWALL USG 50	USG50-CS2-ZZ0101F
Licence for ZyWALL Firewall Appliance with ZLD 3.0	E-iCARD 1 YR Commtouch Content Filtering License for ZyWALL USG 50	USG50-CC1-ZZ0101F
Licence for ZyWALL Firewall Appliance with ZLD 3.0	E-iCARD 2 YR Commtouch Content Filtering License for ZyWALL USG 50	USG50-CC2-ZZ0101F
Licence for ZyWALL Firewall Appliance	E-iCard SSL VPN 2 TO 5 TUNNELS ZyWALL USG 50	91-995-239001B

Solution Partner

