

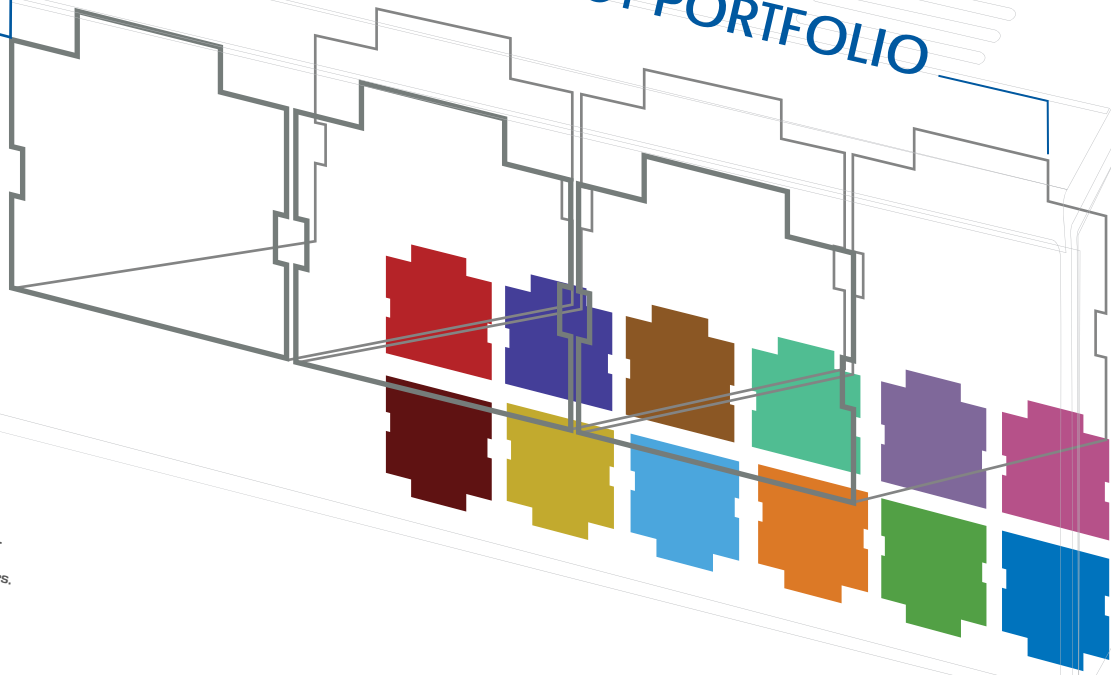


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PRODUCT PORTFOLIO



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0902v200-PP

Product Portfolio



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Company Profile

About ZyXEL

ZyXEL offers a high-performance, carrier-grade suite of access and security solutions. Through our partner alliances, we provide businesses with complete solutions and seamless support. With expertise in diverse technologies like wireless, security, Powerline, Ethernet, xDSL and VoIP, ZyXEL offers integrated, secure network solutions to SMB,

SOHO, residential and service provider markets. In addition, ZyXEL's North American ZySTAR Channel Program offers industry-leading incentives with its full line of products. ZyXEL's North American headquarters including Tech Support are located in Anaheim, California. For more information, please visit the company's Web site at <http://www.us.zyxel.com>.



ZyXEL Green Initiatives

It's easy being green. And it's nothing new for ZyXEL. Our corporate culture since inception is one of accountability and responsibility, including a sincere interest in generating a more positive social influence and persuade society to contribute as well. ZyXEL has created a park next to its headquarters that neutralizes a substantial amount of the building's carbon dioxide, thus improving the local work environment. Of course office materials are recycled and products designed to conserve power when not in active use.

ZyXEL's corporate headquarters building utilizes glass sun-roofs to save energy otherwise spent on daytime illumination. Hallways and non-operational areas in the HQ building run at only 50% illumination during the daytime to save energy. The air conditioning in the HQ building is set to maintain the 26 - 28°C/79°F - 82°F temperature to reduce energy consumption. And "Stair-climbing Parties" are held to promote exercise and reduce elevator usage.

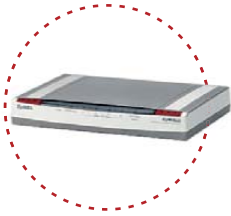


Internet Security

ZyXEL's ZyWALL security products provide a robust SPI and UTM Firewall to protect SMB networks while offering vital IPSec VPN functionality for secure connections between remote offices. ZyWALL UTM products protect against harmful network threats (viruses, spam, intrusion, and content filtering), increasing productivity while keeping both network quality and security high.



Unified Security Gateway Series



Internet Security Appliance
ZYWALL2PLUS

- ICSA-certified IPSec VPN and ICSA-certified SPI firewall for secure remote access
- 24Mbps firewall throughput
- High availability with redundant IPSec VPN & dial backup
- Category based content filtering with Bluecoat service



Secure Mobile 3G Router
ZYWALL2WG

- ICSA-certified IPSec VPN and ICSA-certified SPI firewall for secure remote access
- Mobile Internet access to both 3G and Wi-Fi networks
- 4-Port Ethernet/DMZ secures internal network from external access
- Wi-Fi 802.11a/b/g access point built-in
- Use 3G connection as primary LAN, for load balancing, or fail over



Internet Security Appliance
ZYWALL5

- ICSA-certified IPSec VPN and ICSA-certified SPI firewall for secure remote access
- 50Mbps firewall throughput
- 25Mbps IPSec VPN throughput, 10 concurrent tunnels
- Category based content filtering
- 1 WAN, 4 LAN/DMZ secures internal network from external access



ZyWALL USG Family
ZWUSG100 ZWUSG1000
ZWUSG200 ZWUSG2000
ZWUSG300

- Unified Security Gateway to provide Hybrid VPN (IPSec / SSL VPN) and UTM security services
- ICSA certified VPN, firewall and antivirus for proven dependability
- Passive/Active high availability
- Application Patrol to manage use of IM/P2P applications
- Object/text-based configuration and centralized management
- User based policy engine for granularity



Unified Security Gateway
ZWUSG100

- UTM firewall & VPN concentrator for 10-25 users
- 100Mbps firewall throughput
- 24Mbps UTM throughput (antivirus, IDP, firewall)
- Can aggregate 25 IPSec VPNs and up to 5 SSL VPNs
- 7 Gigabit ports - 2 WAN, 5 LAN/DMZ



Unified Security Gateway
ZWUSG200

- UTM firewall & VPN concentrator for 25-50 users for optimum security
- 150Mbps firewall throughput
- 24Mbps UTM throughput (antivirus, IDP, firewall)
- Can aggregate 100 IPSec VPNs and up to 10 SSL VPNs
- 7 Gigabit ports - 2 WAN, 4 LAN/DMZ, 1 WAN/LAN/DMZ for flexibility

Unified Security Gateway Series



Unified Security Gateway for SMB
ZWUSG300

- UTM firewall & VPN concentrator for 50-75 users
- 200Mbps firewall throughput
- 48Mbps UTM throughput (antivirus, IDP, firewall)
- Can aggregate 200 IPSec VPNs and up to 25 SSL VPNs
- 7 Gigabit configurable WAN/LAN/DMZ ports for flexibility



Unified Security Gateway
ZWUSG1000

- UTM firewall & VPN concentrator for 75-200 users
- 350Mbps firewall throughput
- 100Mbps UTM throughput (antivirus, IDP, firewall)
- Can aggregate 1,000 IPSec VPNs and up to 250 SSL VPNs
- 5 Gigabit configurable WAN/LAN/DMZ ports for flexibility



Unified Security Gateway
ZWUSG2000

- Enterprise strength UTM firewall & VPN concentrator
- 2000Mbps firewall throughput
- 400Mbps UTM throughput (antivirus, IDP, firewall)
- Can aggregate 2,000 IPSec VPNs and up to 750 SSL VPNs
- 6 Gigabit ports + 2 dual (copper/SFP) gigabit ports for flexibility

Security Software and Accessories



One Time Password Token
ZWOTPSTART
ZWOTP5U
ZWOTP10U

- Supports two-factor authentication for one-time secure SSL VPN login
- 128bit AES encryption and 160bit number generation (OATH algorithm)
- Interoperable with Windows 2000/XP network login
- Seamless integration with ZyWALL security products



ZyWALL IPSec VPN Client
ZYWALLVPN ZYWALLVPN10
ZYWALLVPN5 ZYWALLVPN50

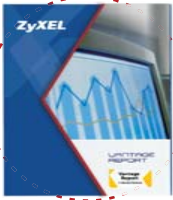
- Windows 2000, XP and Vista support for total SMB security
- Interoperable with ZyWALL and most IPSec VPN gateways
- IPSec VPN tunneling with DES 56bit / 3DES 168bit / AES 256bit encryption
- Profile can be exported/imported to many PCs for easy deployment
- Supports NAT Traversal, DPD and Redundant Gateway



Centralized Network Management
VANCNM10DEV VANCNM50DEV
VANCNM25DEV VANCNM100DEV

- Vantage CNM software for centralized UTM management
- Group device configuration for mass deployments
- Real-time monitoring, alerting
- Comprehensive reporting

Security Software and Accessories



Network Reporting Analyzer

VANRPT1DEV
VANRPT5DEV
VANRPT25DEV

- Vantage Reporting software for comprehensive graphical reports
- Automated scheduled reports
- Customizable report templates
- Real-time traffic analysis

Security Licenses



Gateway Anti-Virus Licenses

ICAV1YUSG100 ICAV1YUSG1000
ICAV1YUSG200 ICAV1YUSG2000
ICAV1YUSG300

- Protect against zero-day attacks and most popular viruses
- Supports 8,300 signatures (15,000 in 2.11 firmware)
- ICSA-certified by industry leading anti-virus testing facility
- 1 year stackable license



Content Filtering Licenses

ICARDCF1YSI ICCF1YUSG200
ICARDCF1YGO ICCF1YUSG300
ICARDCF1Y2WG ICCF1YUSG1000
ICCF1YUSG100 ICCF1YUSG2000

- Automatically block unwanted content by subject/category
- 60+ URL categories (spyware, phishing, malware sources, porn...)
- Powered by Blue Coat, industry leader in web filtering technologies
- 1 year stackable license



Gateway IDP Licenses

ICID1YUSG100 ICID1YUSG1000
ICID1YUSG200 ICID1YUSG2000
ICID1YUSG3000

- Blocks trojans and backdoor applications for optimum network security
- Supports 2,500 IDP signatures
- Granular control over IM and P2P applications
- 1 year stackable license



Total Security Licenses

ICTS1YUSG100 ICTS1YUSG1000
ICTS1YUSG200 ICTS1YUSG2000
ICTS1YUSG3000

- All in one anti-virus, content filter and IDP license
- Total protection for your internal network
- 1 year stackable license



Numbers of SSL VPN Tunnels

SSL10ICARD SSL5T0250USG1000
SSL2T05USG100 SSL25T0250USG1000
SSL2T010USG200 SSL50T0250USG1000
SSL2T010USG300 SSL5T050USG2000
SSL2T025USG300 SSL5T0250USG2000
SSL10T025USG300 SSL5T0750USG2000
SSL5T025USG1000 SSL50T0250USG2000
SSL5T050USG1000 SSL50T0750USG2000
SSL25T050USG1000 SSL2505T0750USG2000

- Extend SSLVPN tunnel numbers
- SSL10 10/25, USG100 2/5, USG200 2/10
- USG300 2/10/25, USG1000 5/25/50/250
- USG2000 5/50/250/750



Home Users



Business Users



Carrier Services

Notes:

Ethernet Switch Solutions

ZyXEL's broad selection of Ethernet switches provides complete network connectivity over copper or fiber. From compact 5-port desktop switches to rack mountable 48-port managed Ethernet switches, every ZyXEL solution delivers comprehensive security and QoS features to accelerate your VoIP, video and data applications in the SMB environment.



Desktop Switches



5-port/8-port Unmanaged Gigabit Switch
ES105A
ES108A

- 5-port/8-port autosensing 10/100 Mbps full duplex
- 2 priority ports/3 priority ports designed for media-rich applications
- Auto MDI/MDI-X support for simplified cabling
- Non-blocking full wire-speed forwarding for top performance
- Data flow control for better transmission reliability



8-port/16-port/24-port Unmanaged Fast Ethernet Switch
ES108P
ES116P
ES124P

- 8-port/16-port/24-port autosensing 10/100 Mbps full duplex
- Internal switching power available
- Auto MDI/MDI-X support for simplified cabling
- Non-blocking full wire-speed forwarding for top performance
- Suitable for desktop and rackmount installation (ES-116P/ES-124P)



5-port/8-port Unmanaged Gigabit Switch
GS105B
GS108B

- 5-port 1000Base-T (GS-105B)
- 8-port 1000Base-T (GS-108B)
- 16/10 Gbps non-blocking switching fabric for optimum performance
- 11.9/6.6 Mpps forwarding rate
- 1 K MAC address table to easily change addresses

Enterprise LAN Switches



Rack-mount Unmanaged Fast Ethernet Switch
ES1016B
ES1024B

- 16/24-port 10/100Base-TX
- 4.8/3.2 Gbps non-blocking switching fabric for exceptional performance
- 3.6/2.4 Mpps forwarding rate
- 8 K MAC address table to easily change addresses



Rack-mount Unmanaged Fast Ethernet Switch w/GbE SFP
ES1124

- 24-port 10/100 Mbps + 2 dual personality GbE (RJ-45/SFP)
- 8.8 Gbps non-blocking switching fabric for great performance
- 6.6 Mpps forwarding rate
- 8 K MAC address table to easily change addresses



24-port/48-port Web Managed Layer 2 Fast Ethernet Switch
ES1528
ES1552

- 24-port/48-port 10/100 Mbps + 2 1000Base-T + 2 1000Base-X SFP Slot
- 12.8/17.6 Gbps non-blocking switching capability for best performance
- Streamlined web-based management interface
- Auto DoS attack prevention & Auto VoIP optimization (SIP/MGCP/SCCP)

Enterprise LAN Switches



**24-port/48-port Managed Layer 2
Fast Ethernet Switch**
ES2024A/ES2024PWR
ES2048

- 24/48-port 10/100 Mbps + 2 dual personality GbE (RJ-45/SFP open slot)
- 8.8/13.6 Gbps non-blocking switching capacity for great performance
- 802.3af PoE support, 185W total power budget (ES2024PWR)
- Intrusion lock, MAC freeze & MAC filtering/forwarding enhances network security
- iStacking allows management of up to 24 devices from a single IP address



8-port Managed Layer 2 Fast Ethernet Switch
ES2108
ES2108G/ES2108PWR

- 8-port 10/100 Mbps (ES2108) + 1 dual personality GbE (ES2108G/PWR)
- 5.6 Gbps non-blocking switching fabric; 1.2/2.7 Mbps forwarding rate
- 802.3af PoE Support, full power 15.4W on 8 ports (ES2108PWR)
- 8K MAC address table; 4 802.1p priority queues per port
- Intrusion lock, MAC freeze and MAC filtering/forwarding



**24-port/48-port Managed Layer 2+ Fast
Ethernet Switch**
ES3124/ES3124PWR
ES3148

- 24/48-port 10/100 Mbps + 2-port GbE + 2 dual personality GbE (RJ-45/SFP)
- 12.8/17 Gbps non-blocking switching fabric; 9.6/13.1 Mpps forwarding rate
- 802.3af PoE support, full power 15.4W on 24 ports (ES3124PWR)
- 16K MAC address table; 8 802.1p priority queues per port; L2~L4 ACLs
- VLAN stacking (Q-in-Q) support; backup power system support



**24-port Managed Layer 3+ Fast
Ethernet Switch**
ES4124

- 24-port 10/100 Mbps + 2-port GbE + 2 dual personality GbE (RJ-45/SFP)
- 12.8 Gbps non-blocking switching fabric; 9.6 Mpps forwarding rate
- 16K MAC address table; 4K IP address table; 8K routing entries
- OSPFv2, RIPv1/v2, static routing and DVMRP
- Fault-free, high availability with VRRP and RSTP/MSTP



**24-port Rack-mount Unmanaged Layer 2
Gigabit Ethernet Switch**
GS1124B

- 24-port 1000Base-T ports
- 48 Gbps non-blocking switching fabric for great performance
- 36 Mbps forwarding rate
- 8K MAC address table to forward packets quickly



**24-port/28-port/48-port Web Managed
Layer 2 Gigabit Ethernet Switch**
GS1524
GS1528PWR
GS1548

- 20/24/44-port GbE + 4 dual personality GbE ports (RJ-45/SFP)
- 48/56/96 Gbps non-blocking switching capability
- 802.3af PoE support, 185W total power budget (GS1528PWR)
- Streamlined web-based management interface
- Auto DoS attack prevention & auto VoIP optimization (SIP/MGCP/SCCP)

Enterprise LAN Switches



24-port Managed Layer 2 Gigabit Ethernet Switch
GS2228/GS2228PWR

- 24-port GbE + 4 dual personality GbE ports (RJ-45/SFP)
- 56 Gbps non-blocking switching fabric; 42 Mbps forwarding rate
- 185W total PoE power budget; full power with optional PSU (GS2228PWR)
- 16K MAC address table to forward packets quickly



24-port Managed Layer 3+ Gigabit Ethernet Switch
GS4024

- 20-port 1000Base-T + 4 dual-personality GbE ports (RJ-45/SFP)
- 48Gbps non-blocking switching capability
- 16K MAC address table; 8K IP address table; 8K routing entries
- OSPFv2, RIPv1/v2, static routing and DVMRP
- Fault-free, high availability with VRRP and RSTP/MSTP



Managed Layer 3 Gigabit Switch with 10G
XGS4526
XGS4528F

- 20-port 1000Base-T + 4 dual personality GbE (RJ-45/SFP) (XGS4526)
- 24 dual personality GbE (RJ-45/SFP) + 2 12G stack ports (XGS4528F)
- Optional 2-port 10G module (XFP/CX4) (XGS4526/4528F)
- 88/144 Gbps switching capability; 65/100 Mbps forwarding rate
- 8K MAC address table; 2K IP address table; 512 routing entries
- OSPFv2, RIPv1/v2, static routing and DVMRP
- Fault-free, high availability with VRRP and RSTP/MSTP



192-port Managed Layer 3+ Modular Gigabit Ethernet Switch
MS7206

- Max. 384 Gbps non-blocking switching fabric; 286 Mpps forwarding rate
- 6 Slots (two for management and four for I/O modules), 10U height
- Hot-swappable I/O modules, power supply and fan trays for easy maintenance
- High-density with up to 192 100/1000BASE-T ports
- Advanced L3 routing and L2 switching features at no additional cost

Carrier Switches



24-port Managed Layer 2 Fast Ethernet Switch
ES3124/ES3124-4F
ES3124F

- 24-port 10/100 Mbps / 24-port 100 Mbps SFP (ES3124F)
- 2-port GbE + 2 dual personality GbE (RJ-45/SFP) (ES3124)
- 2-port GbE SFP + 2 dual personality GbE (RJ-45/SFP) (ES3124F/3124-4F)
- VLAN stacking (Q-in-Q); backup power support; L2~L4 ACLs
- MEF 9 and 14 certified for EPL services; 802.3ah OAM



12-port Managed Layer 2+ Gigabit Switch
GS3012
GS3012F

- 8-port GbE / 8 GbE SFP + 4 dual-personality GbE (RJ-45/SFP)
- 24Gbps non-blocking switching capability
- Intelligent QoS optimization (WFQ, 8 hardware queues and (L2~L4) ACL
- 1K static VLAN and 4 K dynamic VLAN support (full range 4K PVID)
- 802.3ah OAM (Discovery, Remote Loopback)

Carrier Switches


24-port/12-port Managed Layer 3+ Gigabit Switch

GS4012F
GS4024

- 8/20-port GbE + 4 dual personality GbE (RJ-45/SFP)
- 48Gbps non-blocking switching capability
- 16K MAC address table; 8K IP address table; 8K routing entries
- OSPFv2, RIPv1/v2, static routing and DVMRP
- Fault-free, high availability with VRRP and RSTP/MSTP
- 1K/4K static/dynamic VLAN; VLAN stacking (Q-in-Q); L2~L4 ACLs
- 802.3ah OAM (Discovery, Remote Loopback)


24-port Managed Layer 2+ Fast Metro Ethernet Switch

MES3528

- 24-port 10/100 Mbps + 2 GbE SFP + 4 dual personality GbE (RJ-45/SFP)
- 12.8 Gbps non-blocking switching fabric
- "Front Access" design; external alarm input/output block
- Fanless design conserves power, reduces noise


24-port Managed Layer 2+ Fast Metro Ethernet Switch w/ Temp Hardening

MES3728

- 24-port 10/100 Mbps + 2 GbE SFP + 2 dual personality GbE (RJ-45/SFP)
- 12.8 Gbps non-blocking switching fabric; 9.6 Mpps forwarding rate
- 16K MAC address table; 8 802.1p priority queues per port; L2~L4 ACLs
- Operating temperature: 32° F ~ 149° F, overheat detection; variable fan speed
- "Front Access" design with AC or DC power; external alarm input/output block
- 802.1ag CFM and 802.3ah OAM (Discovery, Remote Loopback)
- MEF 9 and 14 certified for EPL, EVPL and E-LAN services


12-port Managed Layer 2+ Gigabit Metro Ethernet Switch w/ Temp Hardening

MGS3712
MGS3712F

- 8-port 1000 Mbps / 8 GbE SFP + 4 dual personality GbE (RJ-45/SFP)
- 24 Gbps non-blocking switching fabric; 17.8 Mpps forwarding rate
- 16K MAC address table; 8 802.1p priority queues per port; L2~L4 ACLs
- Operating temperature: 32° F ~ 149° F, overheat detection; variable fan speed
- "Front Access" design with AC or DC power; external alarm input/output block
- 802.1ag CFM and 802.3ah OAM (Discovery, Remote Loopback)
- MEF 9 and 14 certified for EPL, EVPL and E-LAN services


24-port Managed Layer 3+ Gigabit Ethernet Switch with 10G

XGS4728F

- 24 dual-personality GbE (RJ-45/SFP) + 2 12G stacking ports
- Optional two port 10G module (XFP/CX4)
- 144 Gbps switching capability
- 16K MAC address table; 8K IP address table; 12K routing entries
- Fault-free, high availability with VRRP and RSTP
- 1K/4K static/dynamic VLAN; VLAN Stacking (Q-in-Q); L2~L4 ACLs
- 802.3ah OAM (Discovery, Remote Loopback)

Media Converter Series


Media Converter (100FX to 100Base-TX)

MC100FXSC2A
MC100FXSC30A

- One 100Base-TX port and one 100Base-FX fiber transceiver with SC connector
- Maximum transmission distance 2 km/30 km
- Auto-negotiating Ethernet port (speed, half/full duplex)
- Auto-crossover Ethernet port (supports auto MDI/MDI-X)
- Link Fault Signaling (LFS) notifying down link to peer

Media Converter Series



Media Converter
{1000BASE-X to 1000Base-T}
 MC1000SFPFP

- One 1000BASE-T port and one 1000BASE-X SFP open slot
- Fiber protection mechanism; wall-mount design
- Auto-negotiating Ethernet port (speed, half/full duplex)
- Auto-crossover Ethernet port (supports auto MDI/MDI-X)
- Link Fault Signaling (LFS) notifying down link to peer



10G XFP Transceiver
 XFP10GSR
 XFP10GLR

- Hot-pluggable XFP footprint
- Supports 9.95Gb/s to 10.5Gb/s bit rates
- Temperature range 32° F to 158° F
- Uncooled 1310nm DFB laser - 1000ft, 50 um MMF (XFP-10G-SR)
- Uncooled 850nm VCSEL laser - 6miles, 9 um SMF (XFP-10G-LR)
- Temperature-stabilized EML transmitter - 25miles, 9um SMF (XFP-10G-ER)

Transceivers



Fast Ethernet SFP Transceivers
 SFP100TX SFP100BX1310
 SFP100FX2 SFP100BX1550
 SFP100LX20

- 100 Mbps transmission speed and flexibility
- SFP MSA (Multi-Source Agreement) compliance
- Hot-pluggable with maximum flexibility
- Compact size for high port density
- Bi-directional SFP maximizes existing fiber plant (SFP100BX Series)

LAN Accessories



Backup Power System
 BPS120

- Compact design: 1U, rack-mountable
- Six output ports for ZyXEL Ethernet switches
- Supports most ZyXEL 3000 and 4000 series switches
- Fast power switchover ensures uninterrupted switching and routing



Gigabit Ethernet SFP Transceivers
 SFP1000T SFPZX80
 SFPSX SFPBX1310
 SFPLX SFPBX1490
 SFPLHX1310

- 1000 Mbps transmission speed and flexibility
- SFP MSA (Multi-Source Agreement) compliance
- Hot-pluggable with maximum flexibility
- Compact size for high port density
- Bi-directional SFP maximizes existing fiber plant (SFPBX Series)



2-slot CX4 10GbE Module
 EM412

- Extended 10GbE CX4 module for short distance deployment
- Supports XG5 series switches and MS7206 Modular switch
- Compatible with any CX4 10G rated cable

LAN Accessories



2-slot XFP 10GbE Module
EM422

- Extended 10GbE XFP module for long distance deployment
- Supports XGS series switches and MS7206 Modular switch
- Compatible with XFP10GSR, XFP10GLR and XFP10GER



Power over Ethernet Injector
POE12

- One RJ-45, 10/100 Mbps PoE-enabled port
- Flexible deployment of devices where power is not available
- Ideal for access point, IP camera and IP phone installations
- Deployment of up to 328 feet (100 m) via CAT-5 Ethernet cabling
- IEEE 802.3af Power over Ethernet (PoE) standard compliant



Gigabit Ethernet PCI Network Adapter
GN680T

- 10/100/1000 Mbps autosensing over Cat-5
- 32-bit PCI bus support
- Windows Vista 32/64bit driver support
- Wake-on-LAN support; WHQL support; ACPI support



Fast Ethernet PCI Network Adapter
FN312

- Half/full duplex at 10/BaseT/100Base-TX
- IEEE 802.3/IEEE 802.3u and PCI v2.1/2.2 compliant
- Wake-on-LAN support
- Windows Vista 32/64bit driver support
- Wake-on-LAN support; ACPI support

Home Users

Business Users

Carrier Services

Notes:

Wireless Solutions

ZyXEL offers a complete array of 802.11 wireless products incorporating the latest technology for both high speed and extended range. From Wi-Fi finders, to client cards, to home routers as well as high-end business solutions boasting unparalleled security as well as ease of use and installation, ZyXEL has it all.



Access Points



802.11a/g Wireless Access Point
G570U

- Dual operation radio bands (2.4GHz or 5GHz) for greater flexibility
- 802.11a/b/g compliant, wireless link speed up to 54 Mbps
- Four operation modes: AP, repeater, bridge and wireless client
- Advanced wireless security with WEP, WPA/WPA2 and 802.1x support



802.11g Wireless AP/Bridge
G570Sv2

- Optimal wireless range and performance of up to 108Mbps data rate with Super G technology
- Four operating modes: AP, repeater, bridge and wireless client
- Advanced wireless security with WEP, WPA/WPA2 and 802.1x support



Wireless N Access Point
NWA570N

- 802.11n compliant, wireless link speed up to 300 Mbps*
- 3 detachable antennas for wide-range coverage and faster speed
- Four operating modes: AP, repeater, bridge and wireless client
- Advanced wireless security with WEP, WPA/WPA2 and 802.1x support
- WPS button for quick and easy wireless security setup

* The wireless data rate is based on draft IEEE 802.11n specifications. Actual data throughput will vary depends on product configuration and environmental factors. It is not guaranteed to be forward compatible with future versions of the IEEE 802.11n specifications.

WLAN Adapters



802.11a/b/g/Draft 11n Hotspot Finder and USB Adapter
AG225H

- Detects 802.11a/b/g/draft 11n wireless networks; no need to turn on laptop
- Backlit display for easier reading in low light
- Displays all necessary information on convenient LED display
- Also serve as 802.11 a/b/g USB client adapter
- Software access point feature makes it a perfect mobile travel companion
- Multiple OS support including Microsoft Vista and Mac (Made4Mac)



802.11g Wireless USB Adapter
G202

- Advanced wireless security transmission with WEP encryption and WPA/WPA2 support
- Wi-Fi Multimedia (WMM) support for quality video and voice streaming
- Window XP 64-Bit Edition support
- Software AP support with Windows XP
- PSP X-Link support
- Multiple OS support including Microsoft Vista and Mac (Made4Mac)



802.11g Wireless PCI Adapter
G302v3

- 802.11g PCI wireless adapter with WHQL certification
- Up to 54 Mbps data transfer rate in 802.11g mode of operation
- Advanced wireless security transmission with WEP encryption and WPA/WPA2 support
- Detachable antenna

WLAN Adapters



Dual-band Wireless N USB Adapter
NWD211AN

- Dual operation radio bands (2.4GHz or 5GHz)
- 802.11n compliant, wireless link speed up to 300 Mbps
- Soft AP mode support extends functionality
- Supports multimedia applications with WMM QoS
- WPS button for quick and easy wireless security setup



Wireless N-lite USB Adapter
NWD270N

- Compliant with 802.11 b/g/n
- Supports multimedia applications with WMM QoS
- Advanced wireless security with WEP, WPA/WPA2 and 802.1x support
- WPS button with download speed up to 300Mbps* for quick and easy wireless security setup
- Up to 150 Mbps* wireless connection speed



Wireless N USB Adapter
NWD271N

- 802.11n compliant with download speed up to 300 Mbps*
- Supports multimedia applications with WMM QoS
- Advanced wireless security with WEP, WPA/WPA2 and 802.1x support
- WPS button for quick and easy wireless security setup

* The wireless data rate is based on draft IEEE 802.11n specifications. Actual data throughput will vary depends on product configuration and environmental factors. It is not guaranteed to be forward compatible with future versions of the IEEE 802.11N specifications.

** The theoretical maximum channel data rate is 200 Mbps on physical layer. The actual channel data rate will be lower depends on noise on electrical wires and quality of electrical installation.



Wireless N PCI Adapter
NWD310N

- 802.11n compliant, wireless link speed up to 300 Mbps*
- Supports multimedia applications with WMM QoS
- Advanced wireless security with WEP, WPA/WPA2 and 802.1x support
- WPS button for quick and easy wireless security setup
- Supports Linux drivers

Consumer Routers



SuperG Wireless HomePlug AV Router
NBG318S

- HomePlug AV compliant, with up to 200 Mbps™ channel data rate
- HomePlug instant encrypt button to secure your Powerline network
- Super G technology supports wireless link speed up to 108 Mbps
- Advanced Media Bandwidth Management (MBM2™) for active multimedia bandwidth allocation
- Multi-colored LED to identify network performance over Powerline



802.11g Wireless Firewall Router
NBG334W

- 802.11g compliant, wireless link speed up to 54 Mbps
- Advanced Media Bandwidth Management (MBM v2™) for effective multimedia bandwidth allocation
- Advanced wireless security with WEP and WPA/WPA2 support
- Stateful Packet Inspection (SPI) firewall and Denial of Service (DoS)
- Supports multimedia applications with WMM QoS
- Supports ROM-D feature
- Supports Management Access Restriction feature
- Guest SSID allows guests connect to Internet without access to local network

Consumer Routers



Wireless N-lite Home Router
NBG417N

- 802.11n compliant, wireless link speed up to 150 Mbps
- Eco-friendly wireless scheduling saves energy
- WPS button for quick and easy wireless security setup.
- Supports multimedia applications with WMM QoS
- Neighbor-friendly wireless output power control



Wireless N Router with VPN
NBG420N

- 802.11n compliant, wireless link speed up to 300 Mbps*
- 2 IPSec VPN tunnels for secure data transfer between remote sites and central server
- Advanced Media Bandwidth Management (MBM v2™) for effective MBMv2 QoS engine automatically prioritizes traffics
- Eco-friendly wireless scheduling saves energy
- WPS button for quick and easy wireless security setup.



802.11g Wireless Firewall Router
P330W

- Protect your network from Internet attacks with NAT firewall and Stateful Packet Inspection (SPI)
- Enjoy wireless speeds up to 54Mbps using 802.11g technology
- Top of the line wireless security with WPA/WPA2 support
- Detachable antenna for flexible deployment options
- Extra usability features enhance your experience including Network Magic and Xbox Live support
- Software bridging mode perfect for connecting multiple LAN devices using one WLAN bridge



Firewall Router with USB Print Server
P335Plus

- Built-in USB for printer sharing with other networked users
- Firewall with Stateful Packet Inspection (SPI) and Denial of Service (DoS) prevention
- Advanced Media Bandwidth Management (MBM2™) for effective multimedia bandwidth allocation



Extreme Wireless Performance and Dead Spot-Free Coverage
X550N

- Latest wireless N technology provides up to 300 Mbps data rate*
- State of the art MBM QoS engine for superior online gaming, VoIP experience
- Built-in gigabit Ethernet ports provides incredible wired performance
- MIMO antenna technology provide ultimate solution for speed and coverage
- Energy saving wireless scheduling feature turns radio off when not needed
- 2 IPSec VPN tunnels for secure data transfer between remote sites and central sever
- One button wireless encryption setup with WPS



Extreme Wireless Performance and Dead Spot-Free Coverage
X550NH

- Three 6 dBi high gain antennas provide extended wireless coverage
- Blazing fast wireless connection with the latest wireless N technology
- State-of-the-art MBM QoS engine for superior online gaming, VoIP experience
- Built-in gigabit Ethernet ports provides incredible wired performance
- Energy saving wireless scheduling feature turns radio off when not needed
- 2 IPSec VPN tunnels for secure data transfer between remote sites and central server
- One button wireless encryption setup with WPS

* The wireless data rate is based on draft IEEE 802.11n specifications. Actual data throughput will vary depends on product configuration and environmental factors. It is not guaranteed to be forward compatible with future versions of the IEEE 802.11N specifications.

Wireless LAN Controllers & Access Points



**Wireless LAN Controller +
Dual Radio Ultra Thin AP**
NXCB160 + NWA8500

- Channel Blanket architecture enables zero loss roaming
- Centralized configuration and administration of up to 8 APs
- No site survey or channel planning needed which saves costs
- PoE support and Dual Radio for simultaneous 802.11a + g operation
- Plenum rated enclosure meets rigorous fire safety standards



**High-powered 802.11b/g Enterprise
WLAN Hybrid Access Point**
NWA3163

- High power design to maximize Wi-Fi coverage (26dBm EIRP)
- WLAN controller mode to securely provision and manage up to 24 APs
- AP/Bridge/AP+Bridge modes for flexible deployment
- Wi-Fi WMM + Auto Traffic Classifier for powerful QoS; WPA2 certified
- Up to 8 SSIDs with pre-defined VoIP and Guest SSID
- PoE support; Plenum rated enclosure meets rigorous fire safety standards

Business Wireless LAN Access Points



**802.11b/g Entry Level Business
WLAN Access Point**
NWA1100

- High power design to maximize Wi-Fi coverage (26dBm EIRP)
- AP/Bridge/AP+Bridge modes for flexible deployment
- Wi-Fi WMM for wireless QoS and WPA2 certified
- IEEE 802.3af PoE for power through data cable



**Dual band 802.11n Draft 2.0 Enterprise
WLAN Hybrid Access Point**
NWA3166

- High speed 802.11n wireless for multimedia applications
- WLAN controller mode to securely provision and manage up to 24 APs
- Wi-Fi WMM + Auto Traffic Classifier for powerful QoS; WPA2 certified
- Up to 8 SSIDs with pre-defined VoIP and Guest SSID
- PoE support; Plenum rated enclosure meets rigorous fire safety standards



**Dual Band 802.11a/g Enterprise
WLAN Hybrid Access Point**
NWA3160

- WLAN controller mode to securely provision and manage up to 24 APs
- AP/Bridge/AP+Bridge modes for flexible deployment
- Wi-Fi WMM + Auto Traffic Classifier for powerful QoS; WPA2 certified
- Up to 8 SSIDs with pre-defined VoIP and Guest SSID
- PoE support; Plenum rated enclosure meets rigorous fire safety standards



**Outdoor 802.11a/g Enterprise
WLAN Hybrid Access Point**
NWA3550

- Configurable dual radios with a variety of external antenna options
- WDS for wireless bridge/backhaul applications
- WLAN controller mode to securely provision and manage up to 24 APs
- Up to 8 SSIDs with pre-defined VoIP and Guest SSID
- IP-66 compliant casing + heater for cold environments -40°C ~ 60°C

Hospitality Service Gateways



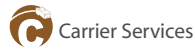
802.11g Wireless Hot Spot Gateway with Optional Printer
G4100v2

- Ideal for café or small hotel properties 100 rooms or less
- IP plug-and-play for zero configuration
- Web-based user authentication, accounting & billing profile
- RADIUS client, walled garden, advertisement URL links, & portal page redirection



Hospitality Service Gateway
VSG1200v2

- Ideal for hospitality/MxU properties 300 rooms or less
- Supports RADIUS authentication and robust billing options
- Supports Airpath, Boingo, Ipass, GRIS, and other roaming services
- Additional revenue generation with walled garden and homepage redirect



Notes:

Storage Solutions

ZyXEL has brought its experience in building carrier class networking devices to the storage market. With solutions designed for home users as well as powerful solutions aimed at the business environment, ZyXEL has you covered. Advanced features such as built-in BitTorrent downloading, uploads to social networking sites, domain integration, and RAID 10, provide the latest in technology at an affordable price.



Home Network Storage



Central Digital Media Library
NSA220Plus

- 2-bay Network Attached Storage with capacity of up to 3TB
- DLNA 1.5 certified multimedia server
- Auto upload photo/video to Flickr/YouTube
- System automatically resumes after power failure when power is restored
- One-touch button for easy copy/sync with external storage devices

Business Network Storage



Network Storage Appliance
NSA2401

- 4-bay network storage with capacity of up to 6 TB
- Dual Gigabit LAN ports support failover/load balancing/link aggregation
- Disk configurations: JBOD, RAID0, RAID1, RAID5 and RAID10
- Supports encrypted remote replication, local backup and self volume to volume backup
- Hot spare and hot swappable



Notes:

WiMAX CPE

While WiMAX has earned recognition as the most promising 4G wireless technology, ZyXEL has remained the industry's No.1 choice for WiMAX solutions. Proud to have been chosen as the device partner to the largest WiMAX deployment in North America, ZyXEL provides award-winning carrier class end-to-end Mobile WiMAX solutions for broadband wireless access anytime, anywhere.



WiMAX CPE



**IEEE 802.16e WiMAX MIMO
VoIP Router**
MAX206M2

- World's 1st WiMAX Forum Wave2 certified 2.5GHz CPE
- Built-in firewall/router with 2-port VoIP ATA functions
- 33dBm high EIRP with embedded omni-directional antennas
- OMA-DM for over-the-air provisioning and firmware upgrade



IEEE802.16e WiMAX MIMO Outdoor CPE
MAX306HW2

- All-weather design outdoor WiMAX CPE for fixed wireless
- 27dBm high output power with 12dBi high-gain MIMO antenna
- Built-in 2-port SIP based VoIP and 802.11g Wi-Fi router
- Auto-provisioning and management with TR-069 and SNMP v2



**IEEE 802.16e Enterprise
MIMO WiMAX Router**
MAX207HW2

- WiMAX Forum Wave 2 compliant with MIMO Matrix A/B
- RF isolation between 2.5GHz WiMAX and 2.4GHz Wi-Fi
- Built-in SOHO router/firewall with 2-port VoIP ATA
- Auto-provisioning / management with TR-069 or OMA-DM



IEEE 802.16e WiMAX MIMO ExpressCard
MAX706

- IEEE802.16e-2005 standard compliant 2.5GHz express card
- Up to 23dBm Tx Power and 2dBi Omni-directional Antennas
- AES encryption and EAP-TLS/TTLS authentication support
- User-friendly connection manager on Windows XP/Vista OS



IEEE 802.16e WiMAX MIMO Simple CPE
MAX216M1R

- 3.5 GHz IEEE802.16e Mobile WiMAX Indoor CPE
- Up to 33dBm EIRP for highest performance
- Gateway featuring 1 Ethernet and 1 VoIP port
- Easy management with TR-069 and SNMP support



IEEE 802.16e WiMAX MIMO USB Adapter
MAX506

- 2 x 2 dBi antenna, 23 dBm maximum Tx power
- HO, QoS, power control, power saving supported
- EAP authentications, X.509, AES, self-installable

Powerline

ZyXEL offers the most comprehensive HomePlug AV product line for the consumer and SOHO markets. From our Powerline residential gateway and Powerline wireless router to our Powerline switch and various adapters, ZyXEL offers proven products to get you up and running in just minutes.



HomePlug AV



Powerline Ethernet Adapter
PLA400

- HomePlug AV compliant, data transmission rate up to 200 Mbps*
- Stylish desktop design with universal power cord
- QoS for fast video and audio streaming
- HomePlug instant encryption button
- Multi-colored LED to identify network performance over Powerline



Wall-mount Powerline Ethernet Adapter
PLA401

- HomePlug AV compliant, channel data rate up to 200 Mbps*
- Simple wall-plug design
- QoS for fast video and audio streaming
- HomePlug instant encryption button
- Multi-colored LED to identify network performance over Powerline



**Powerline Ethernet Adapter
with Coaxial Interface**
PLA402

- HomePlug AV compliant, with up to 200 Mbps* channel data rate
- Transforms existing coaxial cable to computer network
- QoS for fast video and audio streaming
- HomePlug instant encryption button
- Multi-colored LED to identify network performance over Powerline



Powerline Wireless Access Point
PLA450

- HomePlug AV compliant, with up to 200 Mbps* channel data rate
- 802.11g compliant, wireless link speed up to 108 Mbps
- HomePlug instant encryption button
- Multi-colored LED to identify network performance over Powerline
- Advanced wireless security with WEP, WPA/WPA2 and 802.1x support



Powerline 4-Port Ethernet Switch
PLA470

- HomePlug AV compliant, with up to 200 Mbps* channel data rate
- 4-port 10/100 Mbps switch to expand home networking
- HomePlug instant encryption button
- Multi-colored LED to identify network performance over Powerline



Powerline Ethernet Multiplug Center
PLA491

- HomePlug AV compliant, with up to 200 Mbps* channel data rate
- Power strip design with 4 power outlets
- 4-port 10/100 Mbps Ethernet for multiple Powerline connections
- On/off switches for power and Powerline
- HomePlug instant encryption button
- Built-in surge protector for home appliances

*The theoretical maximum channel data rate is 200 Mbps on physical layer. The actual channel data rate will be lower depends on noise on electrical wires and quality of electrical installation.

Digital Home

Imagine being able to easily move all your music, videos, and photos right from your PC to your home entertainment center and control it all with a single remote control. Or add terabytes of shared storage space on your network in seconds, so everyone in your home can share media. That's true networked digital entertainment. And it's available today, from ZyXEL.



Multimedia Solution



HomePlugAV Digital Media Adapter
DMA1100P

- High-definition audio and video streaming support
- DLNA 1.0 certified, works perfectly with other DLNA products
- Listen to MP3 and digital music collection through the stereo system
- Browse digital pictures in JPEG, GIF, TIF, BMP and PNG formats on TV
- HomePlug AV built-in



Digital Media Adapter
DMA2500

- Bring media from your computer to your home entertainment center, full HD 1080p support for finest resolution
- DLNA 1.5 compliant, compatible with all other DLNA products
- Extensive digital content format support (H.264, DviX/XviD, WMV9, etc)
- HDMI 1.1 support for enhanced video
- Internet Radio Web TV support



IP Set-Top-Box
STB1001S2

- Supports H.264 & MPEG2 (Standard-Definition)
- Supports CA/DRM to access secure digital content
- Supports VOD and Live TV for best maximum enjoyment
- Supports USB 2.0 for simple connectivity



Wireless Presentation Adapter
WPA1000

- Enables multiple speakers to wirelessly run presentations
- 802.11b/g and Ethernet compliant
- Comprehensive and user-friendly GUI for device installation
- Web-based management and conference control



Home Users



Business Users



Carrier Services

Notes:

xDSL CPE

ZyXEL's wide range of xDSL solutions includes VDSL2, ADSL2+, Bonded ADSL2+ and G.SHDSL.bis technologies, providing the level of high performance and reliability that broadband providers demand.



DSL CPE — ADSL2+




ADSL2+ Ethernet/USB Router
 P660M/R/RU Series

- ADSL2+ high-speed Internet access
- Zero Configuration support eases installations
- Universal Plug & Play support (R, RU models)
- Optional dual mode USB/Ethernet network interface (RU)




**802.11g Wireless ADSL2+
 4-port Gateway**
 P660H/HW Series

- ADSL2+ high-speed Internet access
- 802.11g wireless AP function built in (HW model)
- Robust, state-of-the-art firewall protection
- Media Bandwidth Management QoS support
- TR069 remote management for easy deployment




**Draft 802.11n Wireless ADSL2+
 4-port Gateway**
 P660HN

- 802.11n Draft 2.0 compliant with 802.11b/g compatibility
- Standards based WPS for easy and secure WLAN establishment
- Robust SPI firewall protection
- Media bandwidth management (MBM) QoS support
- Wireless scheduler for eco-friendly energy saving
- TR069 remote management for easy deployment




802.11g HomePlug AV ADSL2+ Gateway
 P660HWP

- HomePlug AV compliant
- Throughput of up to 200 Mbps over power lines
- Extended LAN solution through power lines
- 802.11g wireless AP function and 4-port Ethernet switch
- Media Bandwidth Management QoS support




**802.11g Wireless ADSL2+
 4-port Security Gateway**
 P662H/HW Series

- Network-based anti-virus protection
- Robust, state-of-the-art firewall protection
- Up to 20 VPN connections for remote sites
- Auto failover and fallback WAN backup solution
- ZyXEL Centralized Network Management (CNM) support
- 802.11g wireless AP function built in (HW model)




ADSL2+ Pair Bonded 4-port Gateway
 P663H/HN Series

- ADSL2+ pair bonded technology supports up to 48 Mbps
- 802.11n wireless AP function built in (HN model)
- Robust, state-of-the-art firewall protection

DSL CPE - G.SHDSL



G.SHDSL.bis Router
P791R v2

- High-speed symmetric data transmission (G.SHDSL.bis support)
- Universal Plug and Play support
- Auto failover and fallback WAN backup solution



G.SHDSL.bis 4-port Security Gateway
P793H

- High-speed symmetric data transmission (G.SHDSL.bis support)
- 4-wire bundle for higher bandwidth and longer distance
- Robust firewall security (SPI & DoS) and IPsec VPN
- Media Bandwidth Management QoS support
- Auto failover and fallback WAN backup solution

DSL CPE – VDSL2



VDSL2 Modem
P870M Series

- 3/4/5/6 band support for DS/US: 100/100Mbps over existing copper wire
- VDSL2 compliant with profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a
- QoS support for Triple Play services



802.11g Wireless VDSL2 4-port Gateway
P870HW v2 Series

- 3/4/5 band support for DS/US: 100/45Mbps over existing copper wire
- ITU G.993.2 VDSL2 standard compliant with ADSL2+ fallback
- 802.11g wireless AP function and 4-port Ethernet switch
- IP QoS support for Triple Play services
- IGMP snooping/multicasting functions for IPTV applications
- TR069 remote management for easy deployment



VDSL Point to Point Solution
P871M

- Excellent for plug and play LAN extension
- Selectable CO or CPE mode via hardware switch
- 3/4 band support for DS/US: 80/40Mbps over existing copper wire

DSL CPE - xDSL IAD



ADSL2+ VoIP IAD
P2602R/RL

- ADSL/ADSL2/ADSL2+ high-speed Internet access
- SIP (RFC 3261) support with 2 phone ports for VoIP
- Auto-provisioning and TR069/TR104 for ease of deployment
- Triple Play QoS support and optional PSTN lifeline

DSL CPE - xDSL IAD



802.11g Wireless ADSL2+ VoIP IAD
P2602HW/HWL Series

- ADSL/ADSL2/ADSL2+ high-speed Internet access
- SIP (RFC 3261) support with 2 phone ports for VoIP
- Built-in 802.11g wireless AP and 4-port Ethernet switch
- Advanced security: SPI firewall and IPSec VPN
- Auto-provisioning and TR069/TR104 for ease of deployment
- Triple Play QoS support and optional PSTN lifeline



802.11g Wireless VDSL2 VoIP IAD
P2802HWL

- VDSL2 support (IP-based)
- SIP (RFC 3261) support with 2 phone ports for VoIP
- Built-in 802.11g Wireless AP and 4-port Ethernet Switch
- Advanced security: SPI firewall and IPSec VPN
- Auto-provisioning and TR069/TR104 for ease of deployment
- Triple Play QoS support and PSTN lifeline



802.11g Wireless ADSL2+ Combo WAN IAD
P2612HW

- Simple hardware switch to select ADSL2+ or Ethernet WAN
- SIP (RFC 3261) support with 2 phone ports for VoIP
- Built-in 802.11g wireless AP and 4-port Ethernet switch
- Advanced security: SPI Firewall and IPSec VPN
- TR069/TR104 for easy deployment
- Triple-play QoS Support



Home Users



Business Users



Carrier Services

Notes:



802.11g Wireless ADSL2+ VoIP IAD
P2608HW/HWL Series

- SIP (RFC 3261) support with 8 phone ports for VoIP
- ADSL/ADSL2/ADSL2+ high-speed Internet access
- Built-in 802.11g wireless AP and 4-port Ethernet switch
- Advanced security: SPI firewall and IPSec VPN
- Auto-provisioning and TR069/TR104 for ease of deployment

MSAN & IP DSLAM

ZyXEL offers chassis-based multi-service access node (MSAN) and “pizza-box” IP DSLAM products for central office, remote location and FTTx deployments. Featuring ADSL2+, VDSL2, G.SHDSL, VOIP and PON technologies, ZyXEL MSAN and IP DSLAMs enable service providers to efficiently deploy flexible and reliable rich media services over next generation IP networks.



MSAN



6.5U Multi-Service Access Node (MSAN)
IES5000

- Two management and switching cards and two power modules for redundancy
- Up to eight slots for 72-port ADSL2+, 48-port ADSL2+/SHDSL/VoIP or 24-port VDSL2 line cards, hot swappable (Max. ADSL2+ ports per chassis are 384)
- CO splitter cards in separate splitter chassis
- Four Gigabit interfaces for uplink and subtending
- 802.1p QoS, priority queuing, 802.1q VLAN tagging, and multicasting support



4 U Remote Hardened Multi-service Access Node (MSAN)
IES5005

- One management and switching card and two power modules for redundancy
- Four slots for 48-port ADSL2+/SHDSL/VoIP or 24-port VDSL2 line cards, hot swappable (Max. ADSL2+ ports per chassis are 192)
- CO splitter cards in separate splitter chassis
- Four Gigabit Ethernet interfaces for uplink and subtending
- 802.1p QoS, priority queuing, 802.1q VLAN tagging, and multicasting support



12.5U Multi-Service Access Node (MSAN)
IES6000

- Two management and switching cards and two power modules for redundancy
- Up to sixteen slots for 72-port ADSL2+, 48-port ADSL2+/SHDSL/VoIP or 24-port VDSL2 line cards, hot swappable (Max. ADSL2+ ports per chassis are 1152)
- CO splitter cards in separate splitter chassis
- Eight Gigabit interfaces for uplink and subtending, supports 10G interface
- 802.1p QoS, priority queuing, 802.1q VLAN tagging, and multicasting support

IP DSLAM & VDSL2 Switches



8 port G.SHDSL.bis Mini IP DSLAM
IES708-22

- Up to 8-port G.SHDSL.bis connection bonding
- ATM-based Multi-Pair Bonding (G.998.1) support
- Two Fast Ethernet interfaces for uplink
- 802.1p QoS, priority queuing, 802.1q VLAN tagging and multicasting support
- 802.1x authentication, MAC/Package filtering, and ACL filtering support



1U IP DSLAM with AC/DC power
IES1000

- Two Hot swappable modules supporting ADSL/2/2+ and /or G.SHDSL.BIS
- 12- port ADSL/2/2+ with POTS splitter built-in
- 16 -port G.SHDSL.BIS supported
- 802.1p QoS, priority queuing, 802.1q VLAN tagging, and multicasting support



1.5U ADSL2+ IP DSLAM with AC/DC Power
IES1248-51

- Remote IP DSLAM, 1.5U, AC or DC powered
- Highly compact and temperature-hardened design
- In-band management and one mini RJ11 for local console
- 48-port ADSL/2/2+ with POTS splitter built-in
- Hot swappable fan module increases flexibility

VDSL2 Switches



1.5U 48-Port POTS/VoIP & ADSL2+ IP DSLAM
IES1248-51V

- 48-port remote ADSL2+/VoIP combo IP DSLAM, DC powered
- Highly compact and temperature-hardened design
- In-band management and one mini RJ11 for local console
- 48-port ADSL/ADSL2/ADSL2+ module with splitter built-in
- Hot swappable fan module increases flexibility
- 48-port POTS VoIP supporting SIP and H.248



8/16-port VDSL2 Hardened Switch
VES1608FA-34
VES1608FE-54
VES1616FE-54

- VDSL2 downstream/upstream: 100/50 Mbps
- Gigabit Ethernet interfaces for uplink and subrending
- Outdoor enclosure design option for 8-port/16-port
- IP QoS support: VLAN, multicasting, and priority queue
- Advanced security: VLAN, IGMP snooping, and MVR (Multicast VLAN Registration)



16-port VDSL2 Switch
VES1616F-34

- VDSL2 downstream/upstream: 100/50
- Gigabit Ethernet Interfaces for uplink and subrending
- IP QoS support: VLAN, multicasting, and priority queue
- Advanced security: VLAN, IGMP snooping, and MVR (Multicast VLAN Registration)



24-port VDSL2 switch with ADSL fallback
VES1624FA-54
VES1624FT-54

- VDSL2 downstream/upstream: 100/50 Mbps
- Gigabit Ethernet interfaces for uplink and subrending
- IP QoS support: VLAN, multicast, priority queue
- ADSL fall back capability
- Other key features: 802.3ad LACP , Q in Q, multicast VLAN registration



24-port VDSL2 and VoIP Combo Switch
VES1624FTV-54

- VDSL2 downstream/upstream 100/50Mbps
- 24-port VDSL2 and POTS/VoIP combo design
- Gigabit Ethernet interfaces
- IP QoS support: VLAN, multicast, priority queue. 802.1x service authentication
- Other key features: 802.3ad LACP , Q in Q, multicast VLAN registration

Network Management Software



IP DSLAM Element Management System (EMS)
NetAtlas Access Windows Version

- Complete FCAPS embedded
- Two-layer network management architecture (Master EMS & Slave EMS)
- View-based network management
- XML/SOAP-based northbound interface
- Quick global alarm update, display and information retrieval

Cable CPE

As the CPE marketplace shifts to products that can support multimedia and home networking functions, ZyxEL remains in the vanguard, offering CableLab-certified cable modem routers and EMTA products supporting MSO's SMB and residential deployments.



Cable CPE



DOCSIS 2.0 Cable Modem
P971M

- Front-panel LED indicators for status monitoring
- User-friendly diagnostic features
- Ease-of-deployment in the residential market for MSO
- Trouble-free device management with SNMP and Web GUI



DOCSIS 3.0 Cable Modem
P2910M

- DOCSIS 3.0 compliant design
- Supports downstream/upstream 4-channel bonding
- Gigabit Ethernet interface
- Supports both IPv4 and IPv6 addressing modes
- Remote management via SNMP and Web GUI



DOCSIS 2.0 CableHome 1.1 Cable Wireless Router
P974H/HW Series

- Perfect solution for static IP business class service
- Text based configuration file makes deployment simple
- RIP v1 & v2 with MD5 for authentication with the CMTS
- 802.11g wireless with detachable antenna (HW model)



DOCSIS 3.0 Wireless EMTA with Battery Backup
P2910-2GNB

- DOCSIS 3.0 and PacketCable 1.5 compliant design
- 802.11n high performance wireless with detachable antenna
- 4-port Gigabit Ethernet switch
- Two VoIP phone lines
- Battery backup
- Remote management via SNMP, Telnet, CLI, Web GUI



DOCSIS 2.0 L2TP Commercial Service Gateway with 4 Voice Lines
P2900-4HB

- DOCSIS 2.0 and PacketCable 1.5 CableLab certified
- L2TPv3 VPN enabled
- RIP v1 & v2 with MD5 for authentication with the CMTS
- Supports Static IP
- Cable router and 4-port VoIP service in one box
- Battery backup



Home Users



Business Users



Carrier Services

Notes:

GPON/GEAPON

FTTX is the ultimate broadband technology for the next generation of high-speed Internet access, ideal for VoIP and IPTV applications. ZyXEL provides end-to-end GEAPON and GPON solutions, from scalable OLT to highly integrated ONT. ZyXEL GEAPON/GPON solutions are field proven in many FTTX deployments worldwide featuring strong integration capabilities with VDSL.



GPON/GEAPON



8-port GEAPON Optical Line Terminal + L2 Switch
OLT1308

- 8 GEAPON ports compliant with IEEE 802.3ah
- 4 GE uplink ports (1000Base-T/1000BaseSX/LX)
- Wavelength: 1.31 um for upstream & 1.49 um for downstream
- IP QoS support: VLAN, multicasting, and priority queue
- Advanced security: 802.1x port authentication, IGMP V1/V2 snooping & filtering, AES algorithm with 128-bit encryption



8-port GEAPON Optical Line Terminal
OLT1308H

- 8 GEAPON ports compliant with IEEE 802.3ah
- 8 Auto MDI/MDI-X 1000Mbps uplink ports
- Wavelength: 1.31 um for upstream & 1.49 um for downstream
- IP QoS support: VLAN, multicasting, and priority queue
- Advanced security: 802.1x port authentication, IGMP V1/V2 snooping & filtering, AES algorithm with 128-bit encryption



16-port GEAPON Optical Line Terminal
OLT2300

- 16 GEAPON ports and 16 Uplink (1000Base-T/1000BaseSX/LX) ports
- Wavelength: 1.31 um for upstream & 1.49 um for downstream
- IP QoS support: VLAN, multicasting, and priority queue
- Advanced security: 802.1x port authentication, IGMP v1/v2 snooping & filtering, AES algorithm with 128-bit encryption



GEAPON Optical Network Unit
ONU631HA-11/12

- 1 x Gigabit optical interface (IEEE 802.3ah)
- 1 x 10/100/1000Base-Tx (IEEE 802.3, IEEE 802.3u, IEEE 802.3ab)
- Supports remote control from OAM channel and data loop back test
- IP QoS support: VLAN, multicasting, priority queue and 802.1x



GEAPON Optical Network Unit + 4-port Switch
ONU634HA-11/12

- 1 x Gigabit optical interface (IEEE 802.3ah)
- 4 x 10/100/1000Base-Tx (IEEE 802.3, IEEE 802.3u, IEEE 802.3ab)
- Integrated fiber tray for easy installation
- Supports remote control from OAM channel and data loop back test
- IP QoS support: VLAN, multicasting, priority queue and 802.1x



GPON IAD
P3202HWB

- ITU-T GPON standard compliance: G.984.1, G.984.2, G.984.3, G.984.4
- 1 Gigabit single mode PON interface (Class B+)
- Supports DS/US transmission rate to 2.488 Gbps/1.244 Gbps
- Built-in 802.11g wireless AP and 4-port Ethernet switch
- Advanced QoS for triple-play services
- Standard VoIP SIP compliance (RFC3261)
- TR-069/104 remote management agent built in

VoIP Solutions

Spanning IP Phones and Analog Telephone Adapters to VoIP Gateways and fully Integrated Access Devices, ZyXEL's VoIP inclusive communications packages for telephony provide complete, cost effective solutions scaling from residential environments to SOHOs and SMB.



xDSL IAD



802.11g Wireless ADSL2+ VoIP IAD
P2602HW/HWL Series

- ADSL/ADSL2/ADSL2+ high-speed Internet access
- SIP (RFC 3261) support with 2 phone ports for VoIP
- Built-in 802.11g wireless AP and 4-port Ethernet switch
- Advanced security: SPI firewall and IPSec VPN
- Auto-provisioning and TR069/TR104 for ease of deployment
- Triple Play QoS support and optional PSTN lifeline



ADSL2+ VoIP IAD
P2602R/RL Series

- ADSL/ADSL2/ADSL2+ high-speed Internet access
- SIP (RFC 3261) support with 2 phone ports for VoIP
- Auto-provisioning and TR069/TR104 for ease of deployment
- Triple Play QoS support and optional PSTN lifeline



802.11g Wireless ADSL2+ VoIP IAD
P2608HW/HWL

- SIP (RFC 3261) support with 8 phone ports for VoIP
- ADSL/ADSL2/ADSL2+ high-speed Internet access
- Built-in 802.11g wireless AP and 4-port Ethernet switch
- Advanced security: SPI firewall and IPSec VPN
- Auto-provisioning and TR069/TR104 for ease of deployment



802.11g Wireless ADSL2+ Combo WAN IAD
P2612HW

- Simple hardware switch to select ADSL2+ or Ethernet WAN
- SIP (RFC 3261) support with 2 phone ports for VoIP
- Built-in 802.11g wireless AP and 4-port Ethernet switch
- Advanced security: SPI firewall and IPSec VPN
- TR069/TR104 for easy deployment
- Triple-play QoS support



802.11g Wireless VDSL2 VoIP IAD
P2802HWL

- VDSL2 support
- SIP (RFC 3261) support with 2 phone ports for VoIP
- Built-in 802.11g wireless AP and 4-port Ethernet switch
- Advanced security: SPI firewall and IPSec VPN
- Auto-provisioning and TR069/TR104 for ease of deployment
- Triple Play QoS support and PSTN lifeline

VoIP Gateway



802.11g Wireless VoIP Station Gateway
P2302HWL

- SIP (RFC 3261) support with 2 phone ports for VoIP
- Full FXO functionality to route calls through PSTN and VoIP
- Built-in with 802.11g wireless AP and 4-port Ethernet switch
- Auto-provisioning and optional TR069/TR104 for ease of deployment
- SPI firewall for advanced security
- IP QoS support to prioritize voice traffic and PSTN lifeline

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