BROADBAND SOLUTIONS TO MONETIZE THE CONNECTED HOME
DSL Broadband Gateways

VoIP Gateway
Wireless VDSL2 IAD with VoIP, combo gigabit Ethernet WAN and USB interface for Smart Home apps

- VDSL2 / ADSL2+ dual mode support
- 2 VoIP FXS ports with SIP support
- 2 USB interfaces
- 5 gigabit Ethernet ports including a dedicated WAN port
- 802.11n wireless with high-powered, 100mW radios
- IPv6

Bonded VDSL2
Wireless VDSL2 Bonded gateway with Vectoring support and HPNA for IPTV

- VDSL2 / ADSL2+ dual mode bonding support
- Bonded G.INP and G.vector capable
- 5 gigabit Ethernet ports including a dedicated WAN port
- 802.11n wireless with high-powered, 400mW radios
- HPNA 3.1 over coax for IPTV (VMG4380)
- IPv6

VDSL2
Wireless VDSL2 gateway with FTTH connectivity via gigabit Ethernet Combo-WAN port and HPNA for IPTV

- 802.11n wireless
- 5 gigabit Ethernet ports including a dedicated WAN port
- ADSL2+ fallback (PTM Mode)
- Broadcom chipset based
- HPNA 3.1 over coax for IPTV (VSG1435)
- TR069 support

Wireless VDSL2 business gateway with load-balancing, dual-WAN and VPN support

- VDSL2 / ADSL2+ dual mode support
- Dual WAN load balancing / failover and 3G/4G WAN back-up*
- 35 concurrent VPN terminations
- 5 gigabit Ethernet ports
- 802.11n wireless
- 2 USB ports for easy file share

* Feature available upon request
**DSL Broadband Gateways**

**ADSL2+**

802.11n ADSL2+ gateway with superior performance and reliability

- 802.11n wireless with high-powered, 400mW radios
- Broadcom chipset based
- Advanced QoS features for IPTV
- LAN to WAN for FTTH applications
- IPv6 and TR-069

**Wireless Ethernet Gateways**

**Wi-Fi Router with gigabit Ethernet and TR069. Optimized for IPTV**

- 802.11n Wi-Fi, gigabit Ethernet WAN and LAN
- DHCP options for IPTV
- TR069 for remote configuration and management
- IPv6 support

**Dual-band 802.11ac Wi-Fi router with gigabit Ethernet**

- Simultaneous dual-band operation 433 Mbps over 5GHz and 300 Mbps over 2.4GHz
- Advanced QoS for HD media streaming and gaming apps
- 4-port switch

**Premium 802.11ac Wi-Fi router with speeds up to 1300Mbps and Qualcomm StreamBoost for optimized QoS**

- Simultaneous dual-band operation 1300 Mbps 11ac speed over 5GHz 450 Mbps 11n speed over 2.4GHz
- Qualcomm StreamBoost™ Smart QoS for optimized performance in HD media streaming and online gaming
- 4-port gigabit switch

**802.11n Wi-Fi Router**

- 802.11n wireless router with speeds up to 300 Mbps
- Bandwidth management enhances user experiences on network gaming and multimedia streaming

**Media Streaming and Connectivity**

5GHz, 802.11n Wi-Fi media streamers optimized with Quantenna technology

- Up to 600Mbps
- 4x4 antenna design
- Integrated 5GHz Quantenna technology optimized for streaming HD video throughout the house
- Functions as access point or client with easy selector switch
- One gigabit Ethernet LAN port
600Mbps powerline adapters with gigabit Ethernet

- Fast 600Mbps powerline adapters optimized for streaming HD media with advanced QoS
- Plug-n-play requiring zero set-up
- Comes with a convenient pass-through plug (PLA5215)
- Gigabit Ethernet port

PLA5215 / PLA5205
BSE #: 3017444 / 3017442

HPNA over coax adapters

- 320 Mbps HPNA 3.1 compliant adapter
- Ideal for streaming HD media and IPTV in subscriber home that are already wired with coax cable
- Plug-n-play. No software or drivers needed

HLA3105
BSE #: 2697194

5-Port gigabit Ethernet switch

- Plug-n-play design
- Gigabit speeds for media streaming and other bandwidth intensive apps
- IGMP capable

GS105S (Plastic housing with color coded ports)
GS105B v2 (Metal housing)
BSE #: 2916691
2916688

Media Streaming and Connectivity

8-Port Gigabit Ethernet switch

- Plug-n-play design
- Gigabit speeds for media streaming and other bandwidth intensive apps

GS108S
(Plastic housing with color coded ports)
BSE #: 2866870

Wi-Fi Extenders and Access Points

Wi-Fi Access Point, Ethernet bridge and repeater

- 300Mbps wireless speeds
- 5dBi antennas
- Four operating modes: AP, repeater, bridge and wireless client
- 2 Ethernet ports

WAP3205 v2
BSE #: 2991268

802.11n Wi-Fi coverage extender

- Eliminates wireless dead spots with ease
- Compact wall-mount plug design

WRE2205
BSE #: 2863605
Business Networks

Wireless Solution

WLAN Controller with built-in RADIUS server and wireless optimizer; controls up to 24 APs

- Controls up to 24 Access Points (any of ZyXEL’s NWA3000-N and NWA5000 series APs)
- Load-balancing features, automatic channel selection, and RF optimization deliver superior performance with minimum management
- Quick and easy expansion of existing WLAN network by adding APs without any pre-configuration
- Innovative wireless optimizer creates coverage map by recording range and signal quality of all the managed APs
- Built-in RADIUS server for user authentication, captive portal for guest access and DHCP server for dynamic IP addressing

Business Networks

802.11n dual-band, dual-radio ceiling mount business AP

- Dual radios to support concurrent 2.4GHz and 5GHz frequency bands
- Coverage-enhancing technologies that include Tx Beamforming that dynamically changes signal phases and MLD that boost signal-to-noise ratio to 3 dB
- Support for CAPWAP for quick deployment with the NXC2500 WLAN controller
- Plenum rated with support for PoE, WAP/WPA2 enterprise security, VLANs, and DHCP

Business Networks

802.11n dual-band business AP and Controller

- Dual mode of operation — standalone AP and Controller
- Controller manages up-to 24 APs
- Dual-band (2.4GHz and 5GHz) for superior performance

Business Networks

Ethernet Switches

8-Port unmanaged gigabit switch with high-power PoE+

- Superior performance with simple set-up
- Supports IEEE 802.3at PoE+ for up to 30W power per port to deploy high-powered devices such as Wi-Fi APs and surveillance cameras.
Like a highly efficient pit crew, ZyXEL’s Broadband Service Engineering (BSE) Team offers you the best technical assistance in our industry. Based in ZyXEL’s Anaheim, CA headquarters, this department delivers comprehensive product support and training programs throughout the sales and deployment process, tailored to your unique requirements. Services include:

**Pre-sales Assistance**
ZyXEL’s BSE team will review product details, network layouts, and all other pertinent information on our products to ensure your service will be firing on all cylinders.

**Product Evaluation**
Want to go for a test drive? You can take advantage of our comprehensive product evaluation program with full support from ZyXEL’s BSE team throughout the testing phase.

**Post-Sales Training**
ZyXEL BSE team will help create custom training material including webinars for our customer’s convenience

**Technical Support**
Whenever it’s time for a pit stop, ZyXEL’s BSE engineers stand ready to quickly respond to your questions. Plus, as part of our bumper-to-bumper coverage, ZyXEL provides our industry’s most comprehensive warranties, free features and software upgrades until the product is declared end-of-life.

ZyXEL, headquartered in Anaheim, California, is leading the digital home revolution with a complete portfolio of fiber and DSL broadband gateways, home connectivity, entertainment solutions, and smart home devices.

### The Best Pit Crew in the Industry

24-Port fast Ethernet managed switch with high power PoE and gigabit uplink capability

- 4 dual personality gigabit ports for uplink
- Support for PoE and IPv6
- Easy web-based management as well as text-based Command Line Interface (CLI)

Gigabit web-managed switch with high-power PoE+

- Intuitive Web wizard enabling quick and easy set-up for sophisticated features like VLAN provisioning, guest VLAN and CoS settings.
- Stable and secure operation with multiple error prevention functions, such as storm control, loop protection, dual images, DoS (Denial of Service) and SSL (Secure Sockets Layer).
- Supports IEEE 802.3at PoE+ for up to 30W power per port to deploy high-powered devices such as Wi-Fi APs and surveillance cameras.

ZS1900-8HP
(8-port switch, 75W power budget)
ZS1900-24HP
(24-port switch, 370W power budget)
BSE #: 3169706
3169705

GS1900-8HP
(8-port switch, 75W power budget)
GS1900-24HP
(24-port switch, 370W power budget)
BSE #: 3169706
3169705

ZS3500-24P
(180W power budget)
BSE #: 3169703

GS1900-8HP
(8-port switch, 75W power budget)
GS1900-24HP
(24-port switch, 370W power budget)
BSE #: 3169706
3169705

ES3500-24P
(180W power budget)
BSE #: 3169703

24-Port fast Ethernet managed switch with high power PoE and gigabit uplink capability

- 4 dual personality gigabit ports for uplink
- Support for PoE and IPv6
- Easy web-based management as well as text-based Command Line Interface (CLI)
About Border States
We’re one of the largest independent electrical distributors in the nation. With branches located across the United States, we deliver quality supplies and innovative solutions to construction, industrial and utility customers.

DataComm services
Our engineers and specialists develop the datacomm systems our customers need, whether it’s designing enterprise networks for health care facilities or public networks for telcos.

We help our customers stay connected with datacomm services like wireless and optical transport network design. And when it comes to surveillance and security, we develop customized systems suited specifically for each of their unique needs. All with the best datacomm products matched with decades of industry know-how.

Modem configuration is another specialty
Our telco customers rely on us to pre-configure modems specifically for their applications. So, while at the customer facility, the installers can quickly provision the services by simply taking the modem out of the box and hooking it up.

Supply chain optimization solutions
To achieve sustainable improvements, we form alliances we call Strategic Business Relationships to produce the results our customers require. With our supply chain optimization solutions, our specialists deliver dramatic reductions in total cost, improved service levels and greater efficiency for our customers.

Using our just-in-time delivery and inventory services, our customers have reduced inventory investments by as much as 50 percent or more. We’ve seen inventory performance improve by 20–30 percent and downtime related to material shortages virtually eliminated.

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