

ZYXEL



VMG3927-B Series

Dual-Band Wireless AC/N VDSL2 Gateway

The Zyxel VMG3927-B Series Dual-Band Wireless AC/N VDSL2 Gateway provides high-speed Internet access to meet the worldwide market requirements for triple-play services. Featuring the built-in 4x4 802.11ac WLAN function that relieves troublesome wirings, the VMG3927-B Series offers extreme coverage for great WiFi user experience. Moreover, the user-oriented design also allows the VMG3927-B Series to meet every customer's own style while providing powerful and practical functions.

Benefits

Ultra speed for UHD 4k TV services

The Zyxel VMG3927-B Series Dual-Band Wireless AC/N VDSL2 Gateway supports VDSL2 super vectoring of up to profile 35b. VDSL2 vectoring reduces cross-talk to increase broadband access performance, which further enables operators to offer better UHD 4k IPTV services.



Datasheet [VMG3927-B Series](#)



VDSL2 supports up to profile 35b



AC2400, dual-band WiFi with 1.7 Gbps* 802.11ac 4x4 Wave 2 technology



TR-069/TR-181 Issue-2 remote management



USB 3.0 high throughput for file sharing



Excellent routing and QoS capability to prioritize applications as needed



NAT, firewall with SPI and DoS for better security



Stand-alone and wall mountable

MULTY

Carrier-class WiFi for seamless mobility

Rated as AC2400, the Zyxel VMG3927-B Series delivers speeds of up to 1.7 Gbps* over 5 GHz and 600 Mbps* over 2.4 GHz. For better user experience, the VMG3927-B Series offers dual-band WiFi with performance-boosting features such as Multi-User MIMO (MU-MIMO) and Beamforming for

simultaneous, lag-free streaming and gaming experiences. In addition, its ability to create multiple WiFi networks with up to 4 SSIDs helps operators to easily create individual WLAN networks for video, data and guests.



Connected, anywhere at home

Zyxel's Multy Pro mobile app is a simple, effective utility to help customers setup, adjust and check their home networks. Combining network discovery, easy setup and diagnostics for devices connected to the home network, it also allows service providers to effectively analyze network

issues for customers if needed. The Zyxel Multy Pro app gives the best experience while reducing home support costs and service calls by relieving customers' troubles remotely.



The triple-play powerhouse

The Zyxel VMG3927-B Series is built with sophisticated QoS and multicast traffic shaping features like IGMP v1/2/3 snooping and VLAN capabilities for premium video delivery services. To wireless IPTV operators, its built-in 4x4, 802.11ac chip is the top choice.



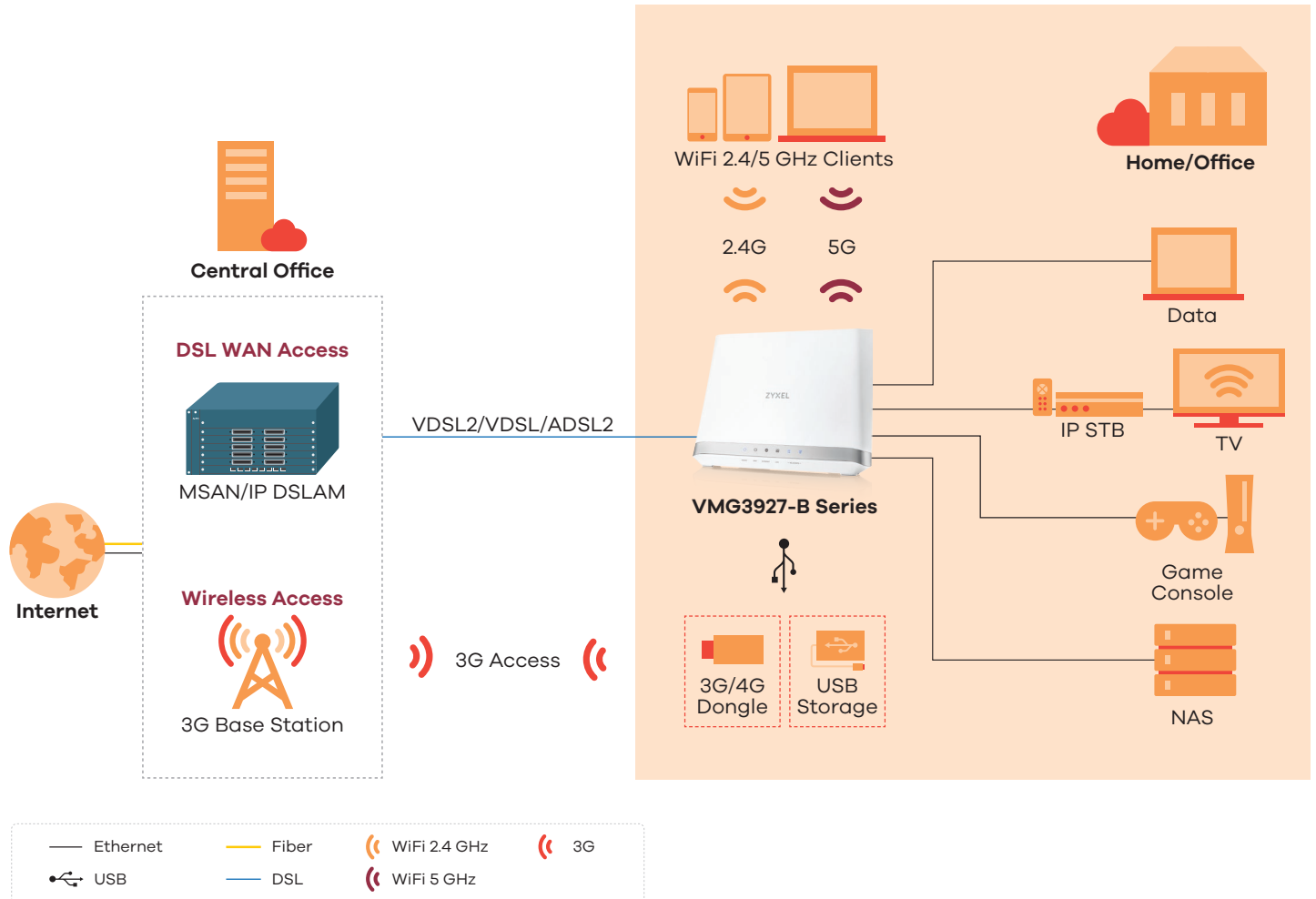
TR-069 remote management with TR-181 issue-2 support

The Zyxel VMG3927-B Series supports TR-69 that simplifies remote configuration, upgrade and management and therefore improves cost effectiveness and customer

satisfaction. Additional support to the latest TR-181 issue-2 data model also enhances service providers' visibility on subscriber LAN networks for improved customer assistance.



Application Diagram



Specifications

System Specifications

Wireless Standard

- 802.11 b/g/n/ac 2.4 GHz, data rate 600 Mbps
- 802.11 a/n/ac 5 GHz, data rate 1733 Mbps

VDSL and ADSL Compliance

- VDSL:
 - G.993.1 VDSL
 - G.993.2 VDSL2, Band 997, 998, Over POTS
 - Support VDSL profiles: 8a/b/c/d, 12a/b, 17a, 30a and 35b
 - G.vector
- ADSL:
 - G.992.1 (G.dmt)
 - G.992.2 (G.lite)
 - ANSI T1.413 compliant
 - G.992.3 (ADSL2)
 - G.992.5 (ADSL2+)
 - G.INP support

Router/Bridge Features

- IEEE 802.1d transparent bridge & basic spanning tree
- PPPoE (RFC 2516)
- PPPoA (RFC 2364)
- MAC encapsulation routing/IPoE
- Network Address Translation (NAT)
- NAT virtual server (port forwarding)
- DHCP client/server/relay with DHCP option 43/60/61/125
- DNS proxy/dynamic DNS
- Static/Policy route
- IGMP v1, v2, v3
- IPv4/IPv6

Wireless

- Wireless Protected Setup (WPS)
- WMM
- WPA2-PSK AES
- Security type
- Multi SSID: up to 4
- MU-MIMO support

VLAN/QoS

- 802.1Q VLAN tagging/un-tagging
- Support flexible traffic classification

Firewall & Security

- Generic packet filter
- DoS attack prevention
- Parental control

USB

- File sharing
- 3G/4G back up with USB dongle

Management

- Web/HTTP: 3 level log-in via SSH or Telnet
- Firmware upgrade via Web/TFTP/FTP/TR-069 RPC method
- Text based configuration
- Configuration backup/update/restore default via Web
- Configurable access control for remote management (interface and/port number)
- DSL forum TR-069, TR-098
- TR-111 and TR-181 i2
- SNMP v1, v2
- Rom-D support
- UPnP port forwarding rules on page

Hardware Specifications

- WAN: One 10/100/1000 Mbps
- Ethernet port RJ-45
- Wireless:
 - Three internal antennas (2.4 GHz)
 - Four internal antennas (5 GHz)
- DSL: One RJ-11
- Ethernet: Four 10/100/1000 Mbps
- Ethernet ports RJ-45 (8P8C)
- USB: One USB 3.0 host

Button

- One reset button
- One WPS on/off button
- One WLAN on/off button

Status LEDs indicators:

- Power/System
- WAN
- Internet
- LAN
- WLAN-2.4G/WPS
- WLAN-5G/WPS

Power Consumption

- 12 V DC/2.5 A

Physical Specifications

- Item dimensions (WxDxH): 220 x 175 x 33 mm (8.66" x 6.88" x 1.29")
- Item weight: 535 g (1.18 lb.)
- Packing dimensions (WxDxH): 291 x 246 x 80 mm (11.45" x 9.68" x 3.14")
- Packing weight: 995 g (2.19 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 40°C
- Humidity: 10% to 90% (Non-Condensing)

Storage Environment

- Temperature: -30°C to 70°C
- Humidity: 10% to 95% (Non-Condensing)

Certification

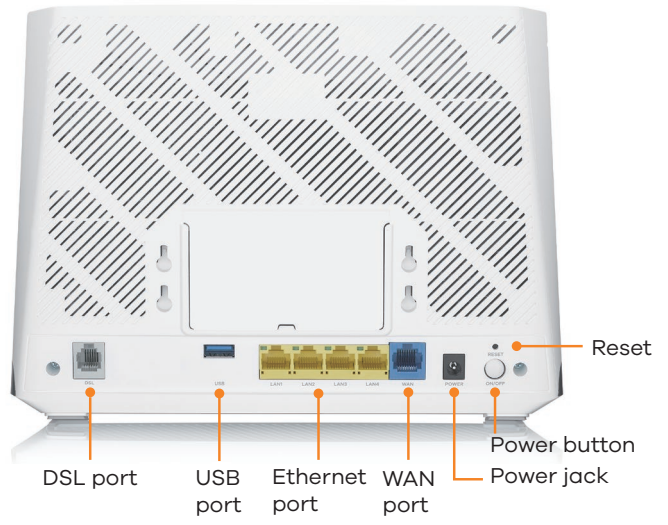
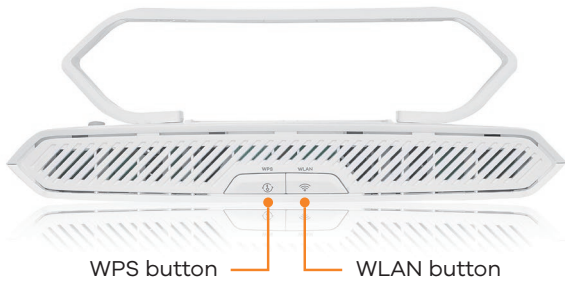
- Safety: CE-LVD
- EMC: CE

Package Contents

- Wireless gateway
- Power adapter
- Ethernet cable
- RJ-11 cable
- Quick start guide
- Safety warning card

* The maximum wireless data is derived from IEEE Standard 802.11 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

Interface description



ZYXEL

Your Networking Ally

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

Copyright © 2018 Zyxel Communications Corp. All rights reserved. Zyxel, Zyxel logo are registered trademarks of Zyxel Communications Corp. All other brands, product names, or trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.

Datasheet [VMG3927-B Series](#)



5-100-01318009 08/18