ZYXEL

VMG4927-B50A

Dual-Band Wireless AC/N VDSL2 Bonding Gateway

The Zyxel VMG4927-B50A Dual-Band Wireless AC2400 VDSL2 Bonding Gateway provides high-speed VDSL2 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 VMG4927-B50A offers extreme coverage for great WiFi user experience. Moreover, the user-oriented design also allows the VMG4927-B50A to meet every customer's own style while providing powerful and practical functions.

Benefits

CAF II Performance Testing Support

The Zyxel VMG4927-B50A supports optimized TR-143 protocol to facilitate FCC mandated CAF II Performance Testing.

Ultra speed for UHD 4k TV services

The Zyxel VMG4927-B50A Dual-Band Wireless AC2400 VDSL2 Bonding Gateway supports VDSL2 vectoring of up to profile 17a. VDSL2 vectoring reduces cross-talk to increase broadband access performance, which further enables operators to offer better UHD 4k IPTV services.

VDSL2 supports vectoring up to profile 17a

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

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

Excellent routing and QoS capability to prioritize applications as needed

NAT, firewall with SPI and DoS for better security

Stand-alone and wall mountable

1 GHz dual-core processor with dedicated quad-core routing accelerator

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MULTY

Carrier-class WiFi for seamless mobility

Rated as AC2400, the Zyxel VMG4927-B50A delivers speeds of up to 1.7 Gbps* over 5 GHz and 600 Mbps* over 2.4 GHz. For better user experience, the VMG4927-B50A 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.

1733 Mbps **600 Mbps**

5 GHz   2.4 GHz

Connected, anywhere at home

The mobile app for Multy Pro Managed WiFi Solution is a simple, effective utility to help customers setup, adjust and inspect their home networks. In addition to 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 Managed WiFi Solution gives the best experience while reducing home support costs and service calls through the ability to solve customer issues remotely.

MULTY
Multy Pro Managed WiFi Solution

The triple-play powerhouse

The Zyxel VMG4927-B50A 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.
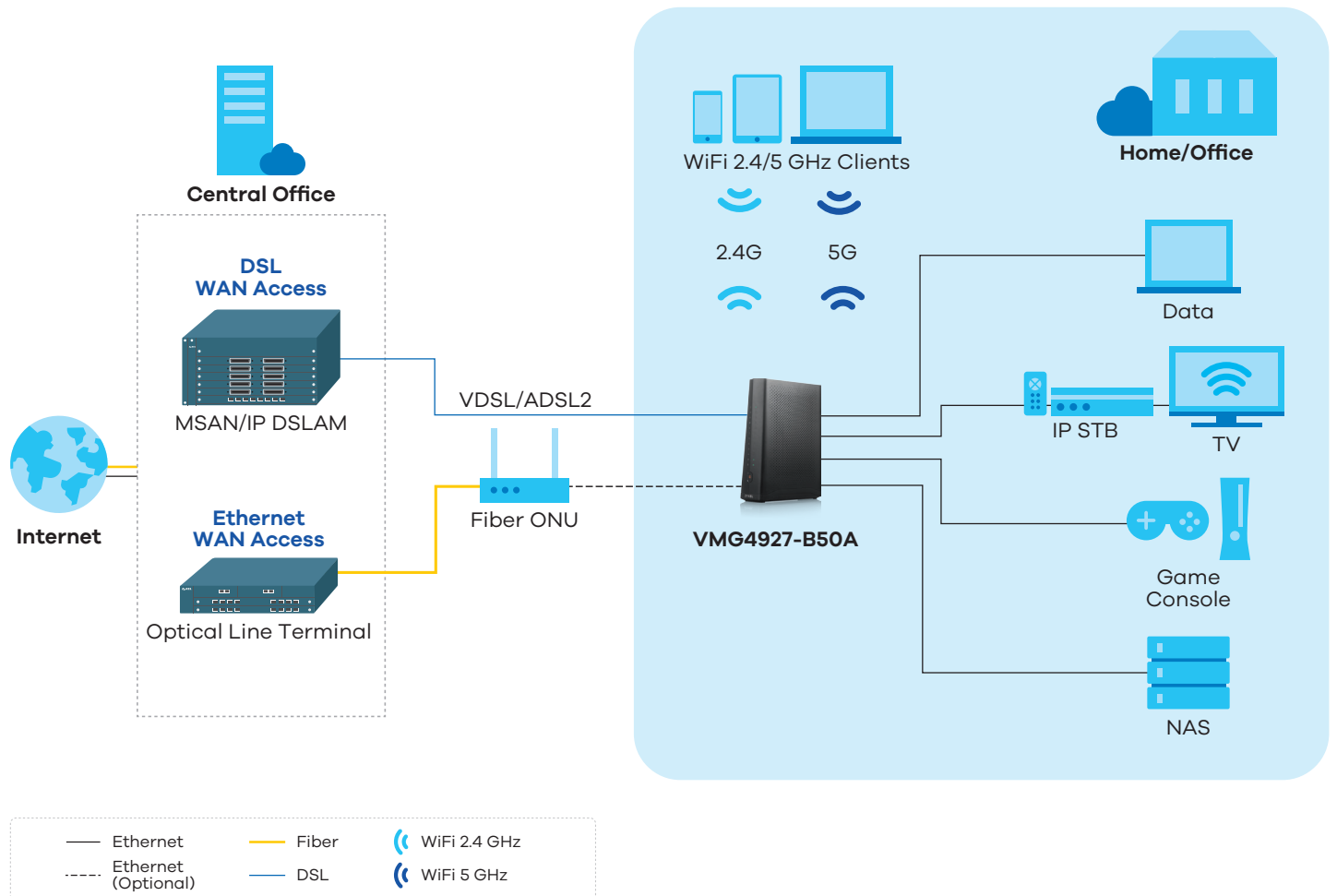
TR-069 remote management with TR-181 issue-2 support

The Zyxel VMG4927-B50A 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.

25 %

Updating

click here for more information

| Scheduled Upgrade | Authentication | Auto Configuration | Diagnostics | Reset to Default |

Application Diagram

Central Office

DSL WAN Access

MSAN/IP DSLAM

VDSL/ADSL2

Ethernet WAN Access

Fiber ONU

Optical Line Terminal

Internet

WiFi 2.4/5 GHz Clients

2.4G   5G

VMG4927-B50A

Home/Office

Data

IP STB

TV

Game Console

NAS

| ——— Ethernet | ——— Fiber | WiFi 2.4 GHz |
| ----- Ethernet (Optional) | ——— DSL | WiFi 5 GHz |

Specifications

System Specifications

Wireless Standard
- 802.11 b/g/n 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.998.2 PTM Bonding
  - G.993.2 VDSL2, Band 997, 998,
    Over POTS
  - Support VDSL profiles: 8a/b/c/
    d,12a/b, 17a, 35b (single line)
  - 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.998.1 ATM Bonding
  - 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 with 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

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

Hardware Specifications
- WAN port: One 10/100/1000 Mbps
  Ethernet port RJ-45
- DSL port: One RJ-14 DSL port
- Ethernet port: Four 10/100/1000 Mbps
  Ethernet ports RJ-45 (8P8C)
- Wireless:
  - Three internal antennas (2.4 GHz)
  - Four internal antennas (5 GHz)
- USB: One USB 2.0 host

Processor:
- 1 GHz dual-core ARM based
  processor plus additional offload
  engines and dedicated quad-core
  routing accelerator

Button:
- One reset button
- One WPS on/off button

Status LEDs indicators:
- Power
- DSL
- WAN
- Internet
- LAN
- USB
- WLAN-2.4G/WPS
- WLAN-5G/WPS

Power Consumption
- 12 V DC/ 2 A

Physical Specifications
- Item dimensions (WxDxH):
  175 x 60 x 245 mm
  (6.88" x 2.36" x 9.64")
- Item weight: 546 g (1.20 lb.)
- Packing dimensions (WxDxH):
  345 x 232 x 65 mm
  (13.58" x 9.13" x 2.55")
- Packing weight: 995 g (2.19 lb.)

Environmental Specifications

Operating Environment
- Temperature:
  0°C to 40°C (32°F to 104°F)
- Humidity:
  20% to 95% (Non-condensing)

Storage Environment
- Temperature:
  -30°C to 70°C (-22°F to 158°F)
- Humidity:
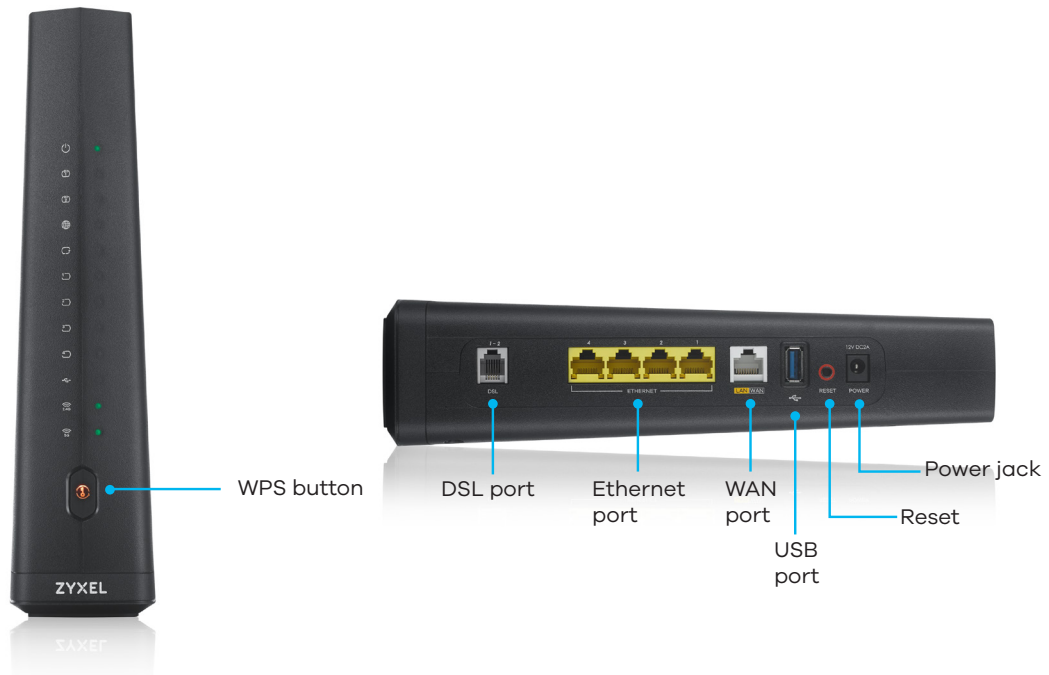 20% to 95% (Non-condensing)

Certification
- Safety: CB
- EMC: FCC

Package Contents
- Wireless gateway
- Power adapter
- Ethernet cable
- RJ-14 able
- Quick start guide

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

Interface description

WPS button

DSL port

Ethernet port

WAN port

USB port

Reset

Power jack

ZYXEL

Your Networking Ally

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