ZYXEL

VMG8623-T50B/VMG3625-T50B/ EMG5523-T50B/EMG3525-T50B Series

Dual-Band Wireless AC/N VDSL2/Ethernet Gateway

The VMG8623-T50B/VMG3625-T50B/EMG5523-T50B/EMG3525-T50B Series provides high-speed Internet access to meet the worldwide market requirements for triple-play services. Featuring the built-in 2x2 802.11ac WLAN function that relieves troublesome wirings, this model offers extreme coverage for great WiFi user experience. Moreover, the user-oriented design allows this model to meet every customer's own style while providing powerful and practical functions.

Benefits

Ultra speed for UHD IPTV service

The Series supports broadband access performance, which further enables operators to offer better UHD 4k IPTV services.

AC1200, dual-band WiFi with 867 Mbps* 802.11ac 2x2 Wave 2 technology

TR-069 remote management (Data model: TR-098/TR-181)

USB 2.0 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

Supports VoIP SIP protocol with 3-way conference calls(VMG8623-T50B/EMG5523-T50B)

VDSL2 supports super vectoring up to profile 35b(VMG8623-T50B/VMG3625-T50B)

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The triple-play powerhouse

The 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 2x2, 802.11ac chip is the top choice.

Carrier-class WiFi for seamless mobility

Rated as AC1200, the Series delivers speeds of up to 867 Mbps* over 5 GHz and 300 Mbps* over 2.4 GHz. For better user experience, four models offer dual-band, d 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.

867 Mbps **300 Mbps**

5 GHz   2.4 GHz
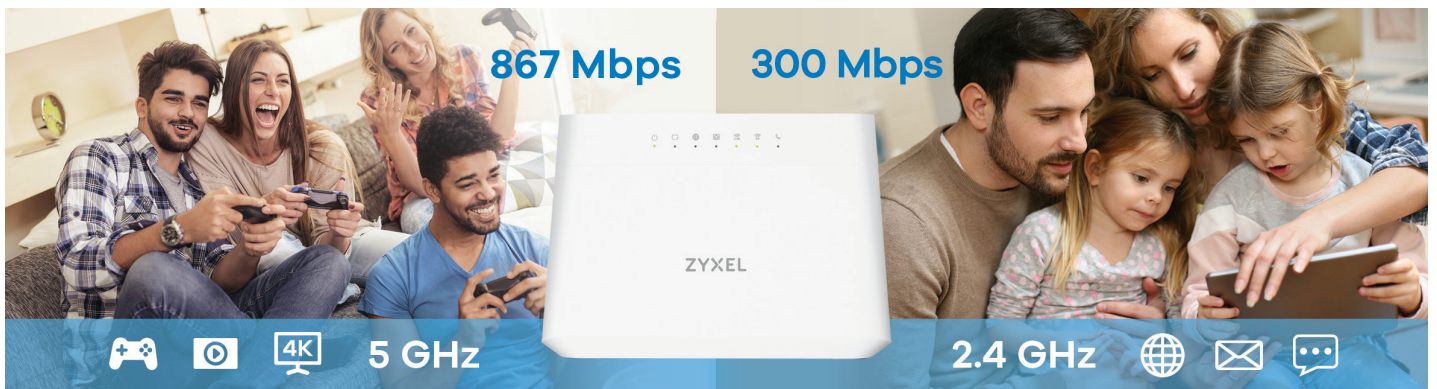
TR-069 remote management with TR-181 issue-2 support

The 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.

25 %

Updating
click here for more information

Scheduled Upgrade   Authentication   Auto Configuration   Diagnostics   Reset to Default

Specifications

System Specifications

Wireless Standard
- 802.11 b/g/n/ac 2.4 GHz, data rate 300 Mbps
- 802.11 a/n/ac 5 GHz, data rate 867 Mbps

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/WPA2-PSK with TKIP & 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 back up with external 3G 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

VoIP (VMG8623-T50B/EMG5523-T50B)
- Section Initiating Protocol (SIP), RFC 3261
- Codec: G.711 a/µ (64K), G.726 (24/32K), G.722
- G.168 echo cancellation
- Fax/modem detection and pass-through
- Voice Active Detector (VAD)
- Comfort Noise Generator (CNG)
- Dynamic jitter buffer
- DTMF detection and generation
- DTMF relay by in-band and out-of-band (RFC 2833, SIP Info)
- SIP account (URL type included)
- On hook, off hook and flash detection
- Caller ID
- Call forwarding (No condition, busy, no answer)
- Call transferring
- Call hold/Call retrieve
- Three way conference
- Call waiting
- DNS SRV

VDSL (VMG8623-T50B/VMG3625-T50B)
- G.993.1 VDSL
- G.993.2 VDSL2, Band 997, 998, Over POTS
- Support VDSL profiles: 8a/b/c/d, 12a/b, 17a, and 35b
- G.vector

ADSL (VMG8623-T50B/VMG3625-T50B)
- 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

Hardware Specifications
- WAN: one 10/100/1000 Mbps
- Ethernet port RJ-45
- Wireless:
    - Two internal antennas (2.4 GHz)
    - Two internal antennas (5 GHz)

Interface Description
- Ethernet: four 10/100/1000 Mbps
- Ethernet ports RJ-45 (8P8C)
- USB: one USB 2.0 host
- FXS: two RJ-11 (VMG8623-T50B/EMG5523-T50B)
- DSL: one RJ-11 (VMG8623-T50B/VMG3625-T50B)

Button
- One Power on/off 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
- Phone (VMG8623-T50B/EMG5523-T50B)

Power Consumption
- 12 V DC/ 1.5 A

Environmental Specifications

Temperature:
- Operating: 0°C to 40°C
- Storage: -30°C to 70°C

Humidity:
- Operating humidity: 10 to 90% RH (Non-condensing)
- Storage humidity: 10 to 95% RH (Non-condensing)

Physical Specifications
- Item dimensions : 220 x 153 x 35 mm (8.66" x 6.02" x 1.38")
- Item weight : 325 g (0.67 lb.)
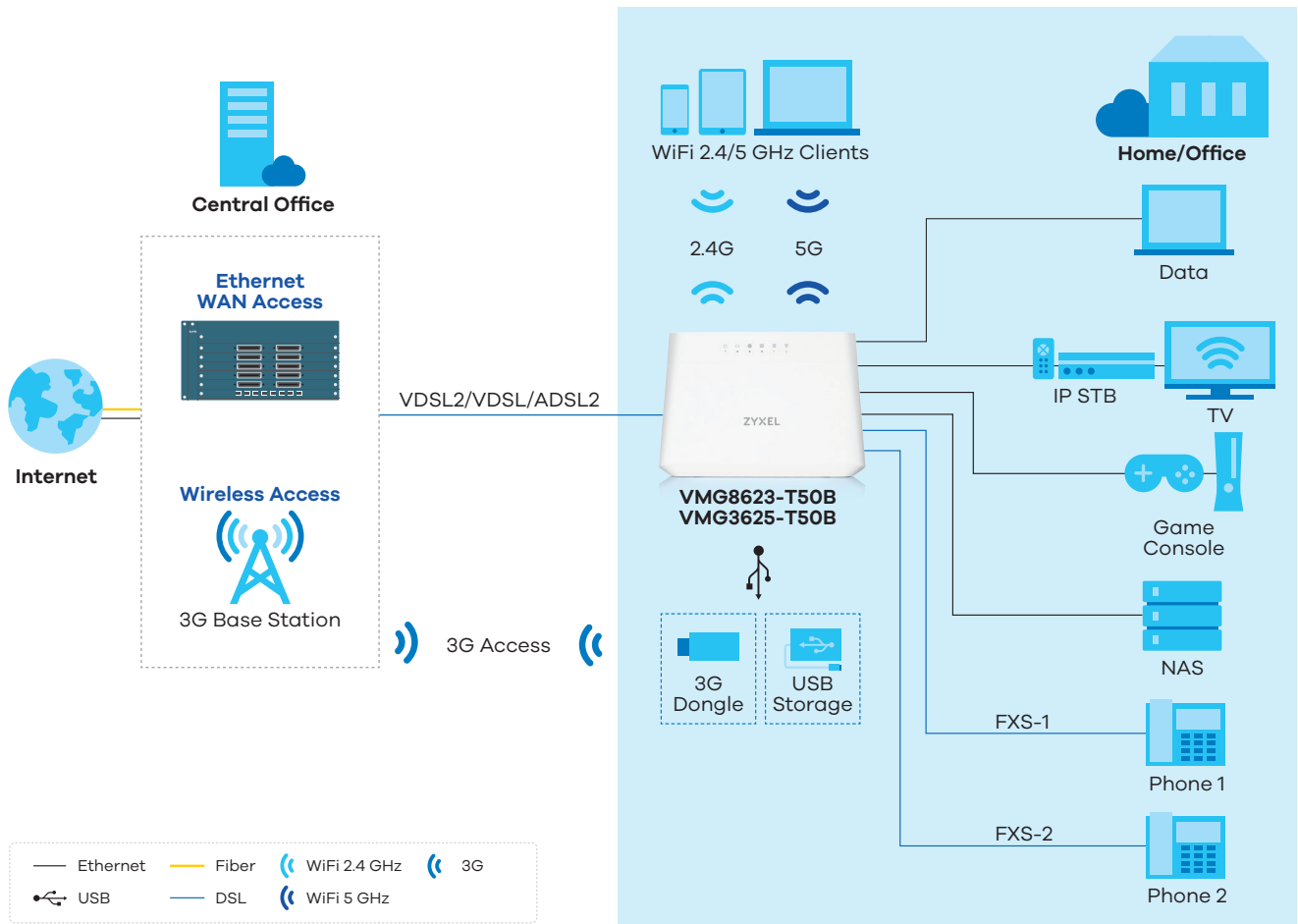
Certification
- Safety: CE-LVD
- EMC: CE

Package Content
- Wireless IAD
- Power adapter
- Ethernet cable
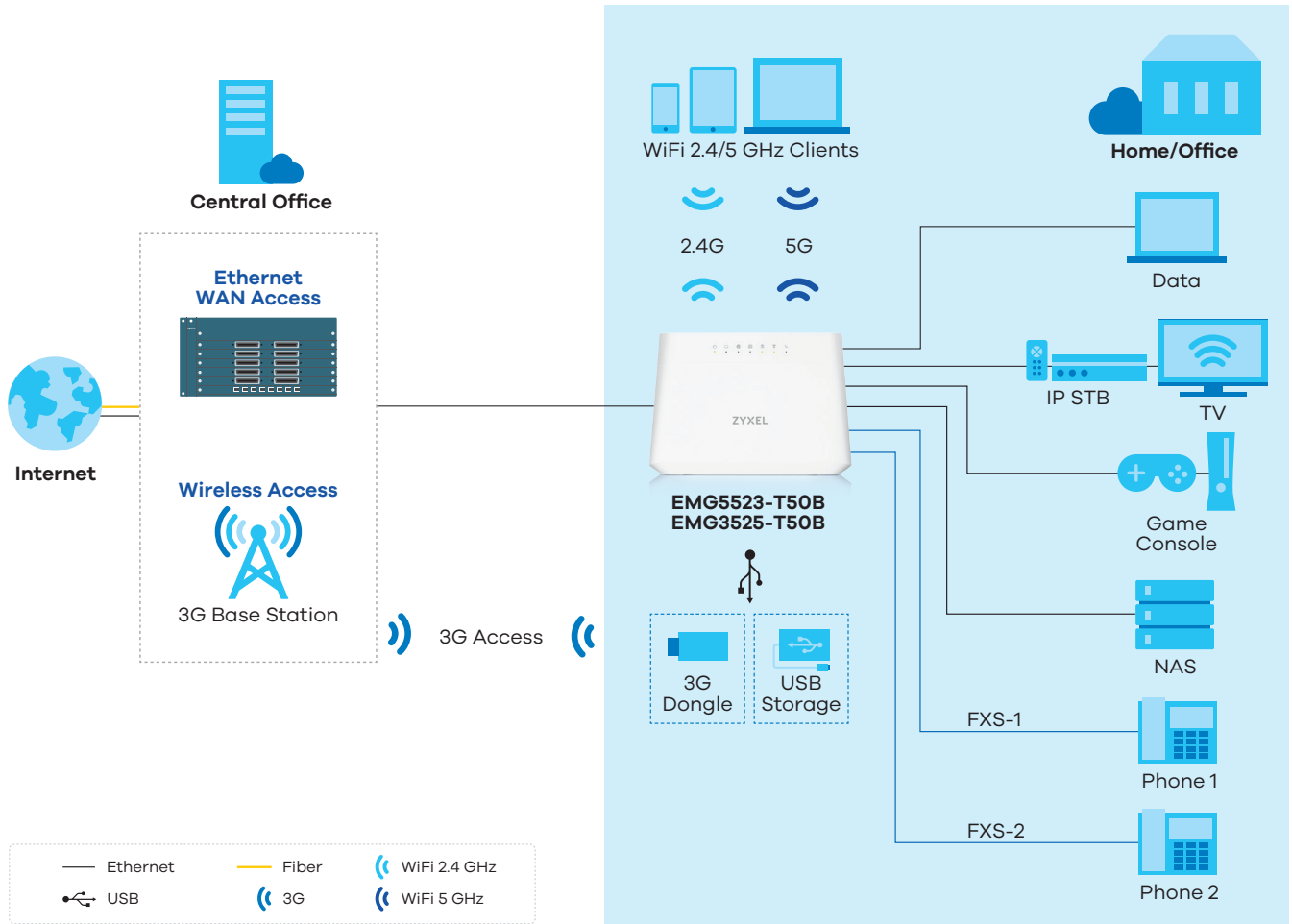- Quick start guide
- Safety warning card

* 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 othe wireless devices, and other adverse conditions.

Applications Diagram

VMG8623-T50B/VMG3625-T50B

Central Office

Ethernet
WAN Access

Wireless Access

3G Base Station

Internet

VDSL2/VDSL/ADSL2

3G Access

WiFi 2.4/5 GHz Clients

2.4G   5G

VMG8623-T50B
VMG3625-T50B

3G
Dongle

USB
Storage

Home/Office

Data

IP STB

TV

Game
Console

NAS

FXS-1   Phone 1

FXS-2   Phone 2

—— Ethernet	—— Fiber	((WiFi 2.4 GHz	((3G
USB	—— DSL	((WiFi 5 GHz	

EMG5523-T50B/EMG3525-T50B

VMG8623-T50B/VMG3625-T50B/EMG5523-T50B/EMG3525-T50B

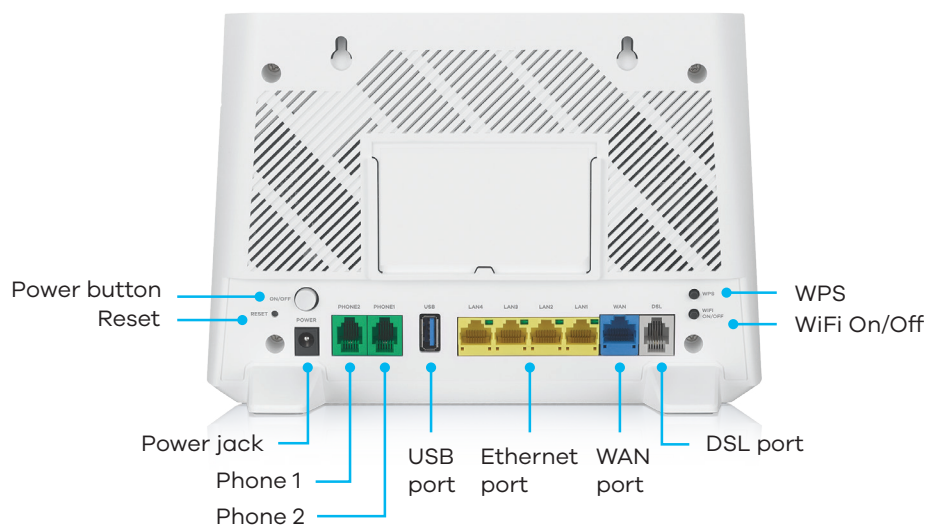| Model	VDSL2 35b Gateway		Ethernet Gateway	
	VMG8623-T50B	VMG3625-T50B	EMG5523-T50B	EMG3525-T50B
Rear Panel				
VDSL2 WAN	17a/35b	17a/35b	-	-
Vectoring/G.INP	Yes/Yes	Yes/Yes	-	-
Ethernet WAN/LAN	1 x GbE/4 x GbE	1 x GbE/4 x GbE	1 x GbE/4 x GbE	1 x GbE/4 x GbE
Wireless 2.4 GHz	2x2 11n, 300 Mbps	2x2 11n, 300 Mbps	2x2 11n, 300 Mbps	2x2 11n, 300 Mbps
Wireless 5 GHz	2x2 11ac, 867 Mbps	2x2 11ac, 867 Mbps	2x2 11ac, 867 Mbps	2x2 11ac, 867 Mbps
VoIP Interfaces	2 x FXS	-	2 x FXS	-
USB Interface	1 x USB 2.0	1 x USB 2.0	1 x USB 2.0	1 x USB 2.0
OPAL SW	Yes	Yes	Yes	Yes

Interface description

Front Panel
VMG8623-T50B/EMG5523-T50B
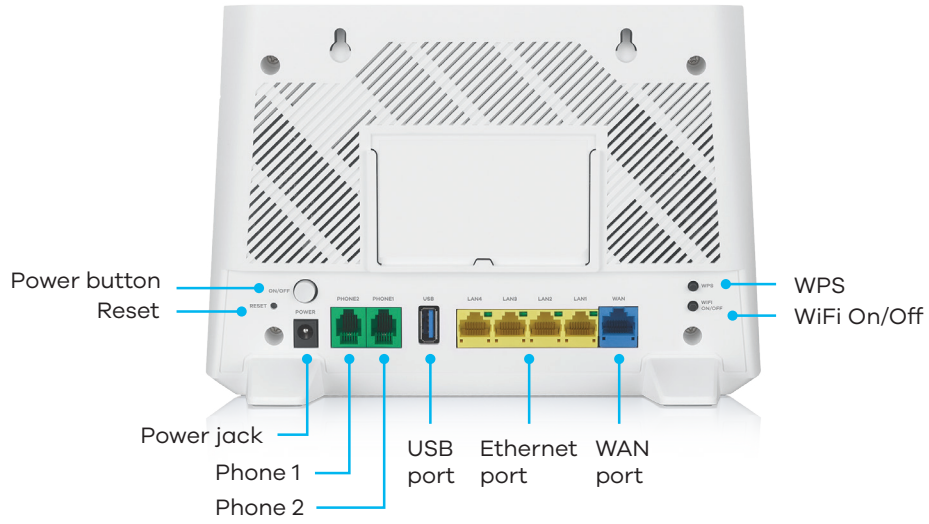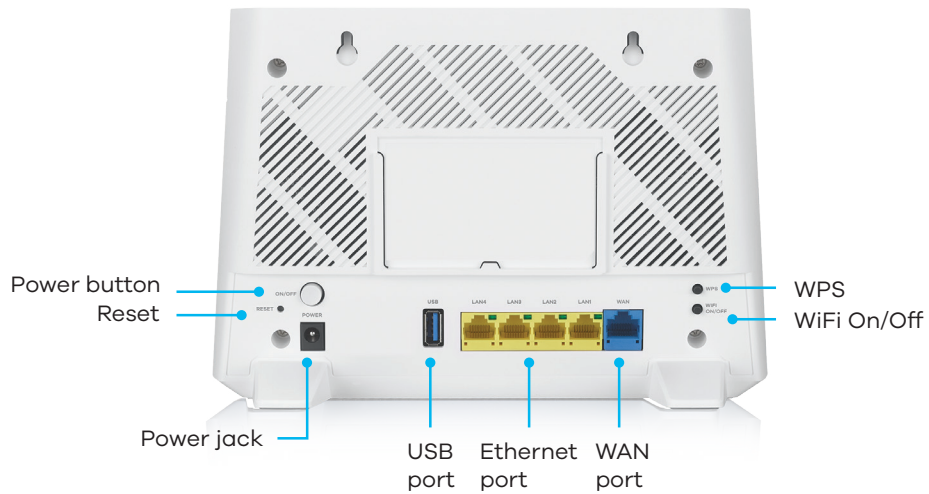

VMG3625-T50B/EMG3525-T50B

Rear Panel
VMG8623-T50B

Power button

Reset

Power jack

Phone 1

Phone 2

USB port

Ethernet port

WAN port

DSL port

WPS

WiFi On/Off

Rear Panel
EMG5523-T50B

Power button
Reset
Power jack
Phone 1
Phone 2
USB port
Ethernet port
WAN port
WPS
WiFi On/Off

VMG3625-T50B

Power button
Reset
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EMG3525-T50B

Power button
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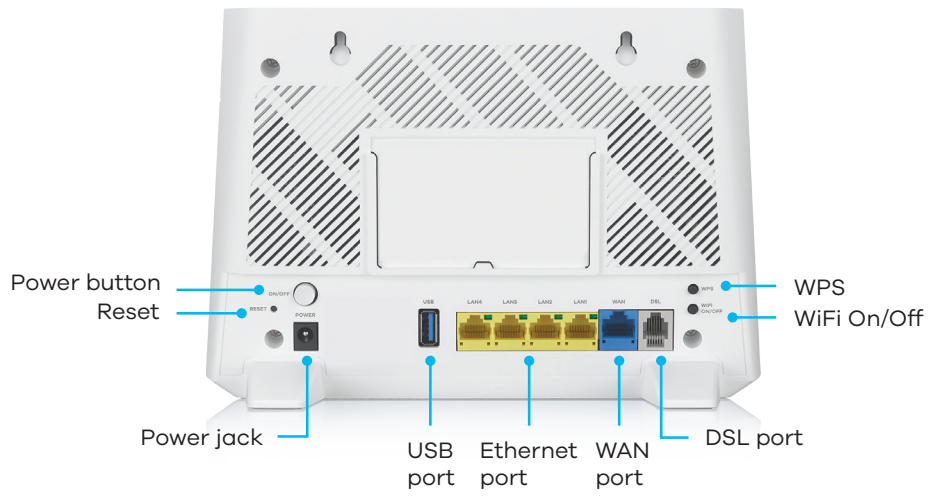
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Your Networking Ally

16/12/19

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EMG5523-T50B/EMG3525-T50B Series