ZyXEL

- ■ **Dual-mode VDSL2/ADSL2+ functionalities**
- ■ **802.11n technology for extreme performance and coverage**
- ■ **HPNA 3.1 with high-speed and robust home connectivity over coax (VMG4380-B10A)**
- ■ **TR-069 remote management**

Increase Bandwidth and Reach Longer Distances

Benefits

Dual-mode VDSL2/ADSL2+ functionalities

The ZyXEL VMG4380-B10A/VMG4325-B10A Series Wireless N VDSL2 Bonding Combo WAN Gigabit Gateway supports dual-mode functionalities that enable service providers to support the Asynchronous Transfer Mode (ATM) or Packet Transfer Mode (PTM) on the same device. The Series offers bi-directional, high-speed VDSL2 and VDSL connection with speeds of up to 100/45 Mbps in PTM mode and 24/1 Mbps ADSL2+, ADSL2 or ADSL connection in the ATM mode. This powerful feature enables service providers to support connections not only on the IP network but also on legacy ATM networks without changing the CPE.

802.11n technology for extreme performance and coverage

The ZyXEL VMG4380-B10A/VMG4325-B10A Series features 802.11n technology that provides the ultimate solution for the best speed and coverage possible. With data rates of up to 300 Mbps, the Series provides stable, reliable wireless connections for high-speed data and multimedia delivery. It eliminates dead zones and extends coverage by using the new IEEE 802.11n technology and is backward compatible with any IEEE 802.11 b/g Wi-Fi certified device.

HPNA 3.1 with high-speed and robust home connectivity over coax (VMG4380-B10A)

The ZyXEL VMG4380-B10A supports HPNA 3.1, the first of the new-generation home networking standards developed for new "entertainment" applications such as the Internet Protocol Television (IPTV) that require consistent high performance over the entire house.

TR-069 remote management

With TR-069 standard management specifications, the service providers are able to manage and configure the client devices remotely without manual intervention of end-users. This unique feature not only offers a true "plug-and-play" experience, but also reduces the complexity of deployment and therefore saves operation and maintenance costs for service providers.

VMG4380-B10A
VMG4325-B10A

Wireless N VDSL2 Bonding Combo WAN Gigabit Gateway

VDSL2 Bonding	Dual Wan	802.11 n 300 Mbps	QOS Media Streaming	HomePNA 3.1	TR-069	WiFi CERTIFIED

ZyXEL

VMG4380-B10A
VMG4325-B10A
Wireless N VDSL2 Bonding Combo WAN Gigabit Gateway

Specifications

System Specifications

VDSL Compliance
- ITU-T G.993.1 VDSL1/ITU-G.993.2 VDSL2
- ITU-T G.994.1/ITU-G.997.1
- Support VDSL profiles, 8a, 8b, 8c, 8d, 12a, 12b and 17a (100/45 Mbps)
- Support VDSL band plan, Annex A, 997, 998
- Packet Transfer Mode (PTM) 17a bonding
- INP value up to 16
- Seamless Rate Adaption (SRA)
- G.INP support
- G.VECTOR support

ADSL Compliance
- G.992.1 (G.dmt) and G.992.2 (G.lite) Annex A compliant
- G.992.3 (ADSL2) and G.992.5 (ADSL2+) Annex A compliant
- Reach-Extended ADSL (RE ADSL)
- Seamless Rate Adaption (SRA)
- Support VC-based and LLC-based multiplexing
- Support up to 16 PVCs

WLAN
- IEEE 802.11n compliance, backward compatible with 11 b/g
- Auto channel selection
- Multi SSID: Up to 4
- WPA/WPA-PSK, WPA2/WPA2-PSK with TKIP & AES security type
- IEEE 802.1X (EAP-MD5, TLS and TTLS)
- Hidden SSID support
- Separate QoS configuration for each SSID
- Wireless scheduling

Router
- IEEE 802.1D transparent bridge & basic spanning tree
- PPPoE (RFC 2516), PPPoA (RFC 2364)
- DHCP client/server/relay, DHCP option 60
- DNS Proxy, Dynamic DNS
- RIP I/RIP II supported
- UPnP
- Adjustable MTU size (max 1518 byte)
- QoS classification route
- Queueing and Scheduling
- Support bridge/router configuration simultaneously via different PVCs/VLANs
- Support Tag Processing (802.1p/802.1q, DSCP)
- Interface Grouping

NAT
- Full cone NAT
- At least 4000 NAT sessions supported
- Virtual server (port forwarding)
- NAT ALGs
- PPPoE pass through
- PPTP/IPSec/L2TP pass through

Security/Firewall
- DoS prevention
- Stateful Packet Inspection
- Access Control List (ACL) between LAN/WAN
- Protocol packet filter
- Content filter: URL keyword blocking, scheduled filtering policy based on time of day

HPNA (VMG4380-B10A)
- ITU.T G9954 HomePNA 3.1
- Over coaxial

USB
- File sharing
- Supported File system: FAT16, FAT32

Hardware Specifications
- WAN interface:
  - Two RJ-11 connectors for VDSL2/ADSL2+ over POTS
  - One RJ-45 port for Gigabit Ethernet
- LAN interface: Four 10/100/1000M Auto MDI/MDIX RJ-45 ports
- Wireless LAN: One detachable external antenna and one internal antenna
- USB: One type A, 2.0 host USB
- WPS and WLAN ON/OFF hardware button (coexisting)
- Reset button
- One coaxial F-connector for HPNA 3.1 (VMG4380-B10A)
- Power on/off switch (VMG4325-B10A)
- Status LEDs indicator: POWER, ETHERNET (1 - 4), ETHERNET WAN, USB, DSL, INTERNET, HPNA (VMG4380-B10A), WLAN/WPS
- Power input: 12 V DC, 1.5 A

Physical Specifications
- Item dimensions (WxDxH): 210 x 154 x 40 mm (8.27" x 6.06" x 1.57")
- Item weight: 495 g (1.09 lb.)
- Packing dimensions (WxDxH): 270 x 255 x 65 mm (10.63" x 10.04" x 2.56")
- Packing weight: 1,090 g (2.41 lb.)

Environmental Specifications

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

Storage Environment
- Temperature: -30°C to 60°C (-22°F to 140°F)
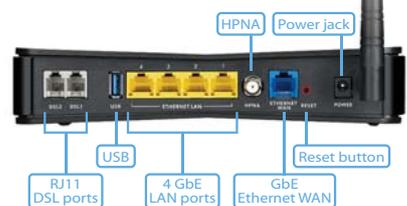- Humidity: 20% to 90% RH

Certification
- CE: EN60950-1, IEC60950-1
- FCC: FCC part 15 class B

Product Description
- VMG4380-B10A: Wireless N VDSL2 Bonding Combo WAN Gigabit Gateway with HPNA over POTS
- VMG4325-B10A: Wireless N VDSL2 Bonding Combo WAN Gigabit Gateway with USB over POTS

Rear Panel

VMG4380-B10A

HPNA | Power jack
USB
RJ11 DSL ports | 4 GbE LAN ports | GbE Ethernet WAN | Reset button

VMG4325-B10A

Power jack
Power on/off switch
USB
RJ11 DSL ports | 4 GbE LAN ports | GbE Ethernet WAN | Reset button

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