



- VDSL2 High-speed Internet Access
- 802.11n Wireless Access
- TR-069 Remote Management Support
- 3G Backup Support

Very High-speed 802.11n VDSL2 Wireless Gateway with USB

Benefits

VDSL2 High-speed Internet Access

The VMG1312-T10C provides VDSL2 of up to profile 30a with data rates of up to 100 Mbps in downstream direction and 100 Mbps upstream. The VDSL2 technology supports the widespread deployment base of triple-play services such as voice, video, data, high-definition television (HDTV) and interactive gaming; it also enables operators and carriers to gradually, flexibly and cost efficiently upgrade the existing xDSL-infrastructure.

802.11n Wireless Access

With the 802.11n technology built-in, the VMG1312-T10C provides the ultimate solution for speed and coverage. With data rates of up to 300 Mbps, it provides stable, reliable wireless connections for high-speed data and multimedia delivery. It eliminates dead zones and extends coverage by employing the latest IEEE 802.11n technology, and it is backward compatible with any IEEE 802.11 b/g/n-certified device.

TR-069 Remote Management Support

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

3G Backup Support

With the built-in USB interface for a 3G dongle, the VMG1312-T10C can offer home users the flexibility to share either a 3G WAN or a xDSL connection with all users in their network when either connection is available without any configuration required.

VMG1312-T10C
Wireless N VDSL2
4-port Gateway
with USB





Specifications

System Specifications

VDSL Compliance

- ITU-T G.993.1 VDSL1 Annex A
- ITU-T G.993.2 VDSL2 Annex A, band plan 997, 998
- Support VDSL profile: 8a/b/c/d, 12a/b, and 17a,30a profiles as specified in ITU-T
- Rate adaption
- Seamless Rate Adaption (SRA)
- INP: up to 16 symbols
- PTM mode
- G.INP
- PhyR configurable

ADSL Compliance

- ITU-T G.992.1 (G.dmt) Annex A compliant
- ITU-T G.992.2 (G.lite) Annex A compliant
- ITU-T G.992.3 (ADSL2) Annex A compliant
- ITU-T G.992.5 (ADSL2+) Annex A compliant
- Reach-Extended ADSL (RE ADSL)
- SRA
- Support VC-based and LLC-based multiplexing

WLAN

- IEEE 802.11 b/g/n compliance
- Frequency: 2.4 GHz ~ 2.4835GHz
- Data rate: 300 Mbps
- WPA (Wi-Fi Protected Access) AES/TKIP, WPA2 AES Data Encryption
- WEP data encryption 64/128 bit
- Wireless Protected Setup (WPS)
- Multicast traffic pass-through

USB

- Printer server
- File sharing
- 3G backup support

Bridge/Router

- PPPoE (RFC2516)

- DHCP client/server
- DNS proxy
- Dynamic DNS
- RIP I/RIP II supported
- UPnP
- Static/policy route
- QoS classification route

Firewall/Security

- PAP and CHAP support
- MS-CHAPv1 and v2 support
- Stateful Packet Inspection (SPI)
- DoS Attack Prevention
- Parental Control

QoS

- Queuing and scheduling
- Queue management

Management

- Web
- Command Line Interpreter (CLI) via SSH or Telnet
- Firmware upgrade via Embedded Web/FTP/TFTP
- DSL forum TR-069, 098
- DSL forum TR-064, TR-111
- Configurable access control for remote management

Hardware Specifications

- WAN: One RJ-11 port for VDSL2/ADSL2+ over POTS
- LAN: 4* Fast Ethernet ports
- WLAN: 2*5dBi external antennas
- USB: 1* USB2.0 host interface(max 500mA)
- WLAN/WPS button: Press for 1 second: enable WPS , Press for 5 seconds: Wireless on/off
- Reset/Restore button: One real button for restore factory default settings
- Status LED indicator: Power, Ethernet, WLAN/WPS, DSL, Internet, , USB

Physical Specifications

- Item dimensions (WxDxH):
- 170 x 165 x 61 mm

Environmental Specifications

Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 20% to 85% RH (Non-condensing)

Storage Environment

- Temperature: -20°C to 60°C
- Humidity: 20% to 90% RH (Non-condensing)

Certification

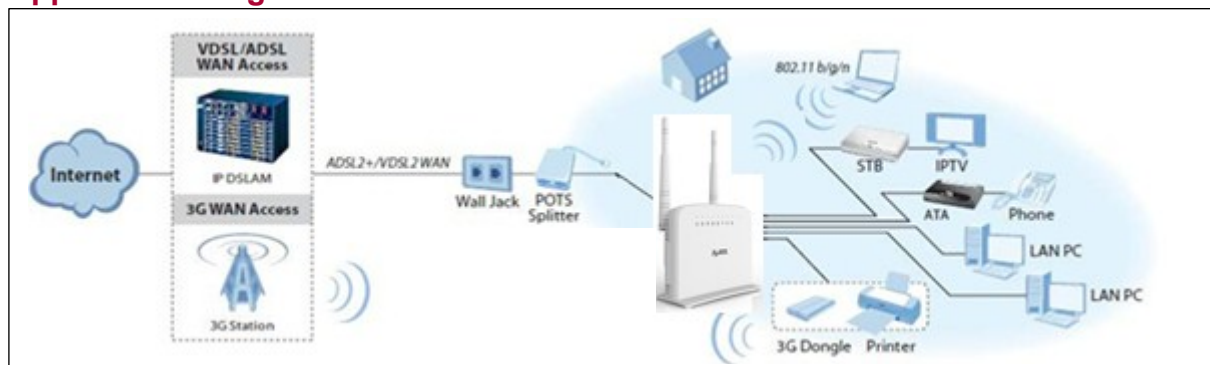
EMC

- EN55022 Class B
- EN61000-3-2, EN61000-3-3

Safety

- EN60950-1
- IEC60950-1

Application Diagram



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

