



ADSL2+ 2.4GHz Wireless for Optimized Triple-play Services

- Standard-based WPS for easy, secure WLAN establishments
- Robust SPI Firewall protection
- Advanced QoS to ensure quality of triple-play services
- Remote provisioning and management through TR-069
- IPv6 support
- Parental control scheduling by different interfaces and MAC

AMG1302-T10C is an advance ADSL2+ gateway, which provides ADSL2+ for high speed internet access.

It integrates IEEE 802.11 b/g/n access point and 10/100 Ethernet switch for Local Area Network (LAN) access. It can act as a concentrator or power hub to distribute all the contents between different devices connected inside LAN both wireless and wired. We also enhance the Wi-Fi ability to make sure high quality user experience.

Benefits

2.4 GHz 11n (2x2) for superior performance and coverage

ZyXEL AMG1302-T10C Wireless N ADSL2+ Gateway features 802.11n technology to provide the ultimate solution for both speed and coverage. With 802.11n wireless data rates of up to 300 Mbps, the AMG1302-T10C provides stable, reliable wireless connections for high-speed data and multimedia applications. The 802.11n technology empowers devices to eliminate dead zones and to extend coverage while retaining backward compatibility with certified devices.

Wi-Fi Protection Setup (WPS)

Wi-Fi Protected Setup (WPS) is a standard for easy, secure establishment of wireless networks. With WPS, compatible devices automatically configure a wireless network with a network name (SSID), strong WPA data encryption and authentication. WPS makes configuration of secure personal wireless networks as simple as pushing a button or entering a Personal Identification Number (PIN) code.

Robust SPI Firewall security

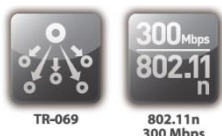
The SPI Firewall works on the network layer by examining header and footer of a packet and ensures the packet belongs to a valid session. Based on Stateful Packet Inspection (SPI), Denial of Service (DoS) and Distributed DoS (DDoS) features, ZyXEL AMG1302-T10C provides the first-line defense against hackers, network intruders and other harmful threats.

Quality of Service (QoS) support

ZyXEL AMG1302-T10C comes equipped with essential ATM QoS features as well. Service providers can freely design their QoS policies and prioritize mission-critical services such as IPTV and VoIP based on their service plans. This increases network efficiency and productivity enable service providers to bring real multi-play into the daily life of residential users.



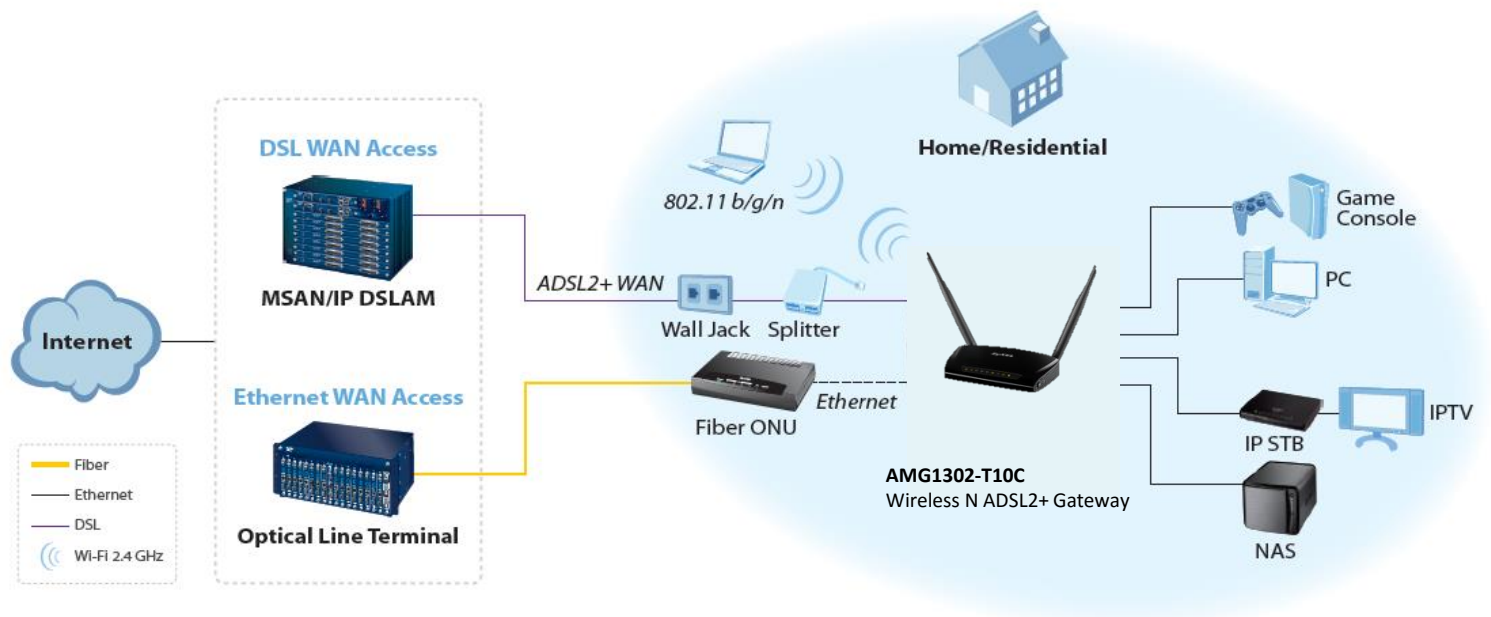
AMG1302-T10C
Wireless N ADSL2+ Gateway



TR-069 remote management

With the TR-069 standard management specifications, ZyXEL AMG1302-T10C allows service providers to manage and configure client devices remotely without interfering end users. This unique feature not only offers true “plug-and-play” experience but also reduces deployment complexity, and it saves operating and maintenance costs for service providers.

Application Diagram



Rear Panel





AMG1302-T10C

Wireless N ADSL2+ Gateway

System Specifications

System Specifications

Wireless Standard

- 802.11 b/g/n 2.4 GHz

ADSL Compliance

- ITU 992.1 (G.dmt)
- ITU 992.3 ADSL2 (G.dmt.bis)
- ITU 992.4 ADSL2 (G lite)
- ITU 992.5 ADSL2+
- Reach-Extended ADSL (RE ADSL)
- Annex L/M support

WLAN

- IEEE 802.11n compliance, backward compatible with 11 b/g
- Frequency operation: 2.4 GHz
- 64/128 bits WEP data encryption
- WPA/WPA2 (Wi-Fi Protected Access) security
- Wireless scheduler
- Wi-Fi Protected Setup (WPS)

Router

- RFC 1483 - classical IP over ATM (LLC/VCMUX)
- RFC 2684 - bridged IP over ATM (LLC/VCMUX)
- RFC 2684 - IP routing over ATM (LLC/VCMUX)
- Support up to 8 PVCs
- Support integrated ATM AAL5 (UBR, CBR, VBR, VBR-rt, and VBR-nrt)
- NAT
- Port forwarding
- SIP ALG pass-through
- PPPoE pass-through
- Dynamic DNS
- IP alias
- DHCP server/client/relay

- RIP I/RIP II support
- IGMPv1/v2/v3
- IGMP proxy/snooping
- UPnP support
- 802.1Q/1P
- IPv6 support

Firewall

- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) prevention Security
- Multiple VPN (IPSec, PPTP) pass-through
- Packet filtering
- URL keyword blocking

Management

- Embedded Web configuration
- TR-069 HTTPS support
- Logs and statistics
- SNMP v1 and v2 with MIB II
- Remote management control: Telnet, FTP, Web, SNMP and DNS
- CLI command via telnet/console

Hardware Specifications

- WAN: One RJ-11 port for ADSL2+ over POTS
- LAN: Four 10/100 Fast Ethernet ports
- WLAN: Two 5dBi external antennas
- WLAN/WPS button: One button for WLAN on/off and one button for WPS configuration
- Reset/Restore button: One real button for restore factory default settings
- Status LED indicator: Power, Ethernet, WLAN, WPS, DSL, Internet
- Power consumption: 4.9 Watt max

Physical Specifications

- Item dimensions (WxDxH): 158 x 114.5 x 22 mm (6.22" x 4.5" x 0.86")
- Item weight: 186 g (0.41 lb.)
- Packing dimensions (WxDxH): 291 x 162 x 50 mm (11.16" x 6.38" x 1.97")
- Packing weight: 324 g (0.71 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

Storage Environment

- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

Certification

- Safety: EN 60950-1
- EMI: CE
- Wi-Fi CERTIFIED™ logo

Package Contents

- Wireless router
- Power adapter
- Ethernet cable/RJ-11 cable
- Quick start guide