

ADSL2+ 2.4 GHz 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 addresses
- ROM-D feature for easy distributor/operator customization

AMG1302-T11C 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.

Additionally, it is designed with multiple WAN function, suitable for future FTTH deployment with optimized CAPEX.

Benefits

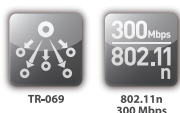
2.4 GHz 11n (2x2) for superior performance and coverage

ZyXEL AMG1302-T11C 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-T11C 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.

AMG1302-T11C
Wireless N ADSL2+ Gateway



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-T11C provides the first-line defense against hackers, network intruders and other harmful threats.

Quality of Service (QoS) support

ZyXEL AMG1302-T11C 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.

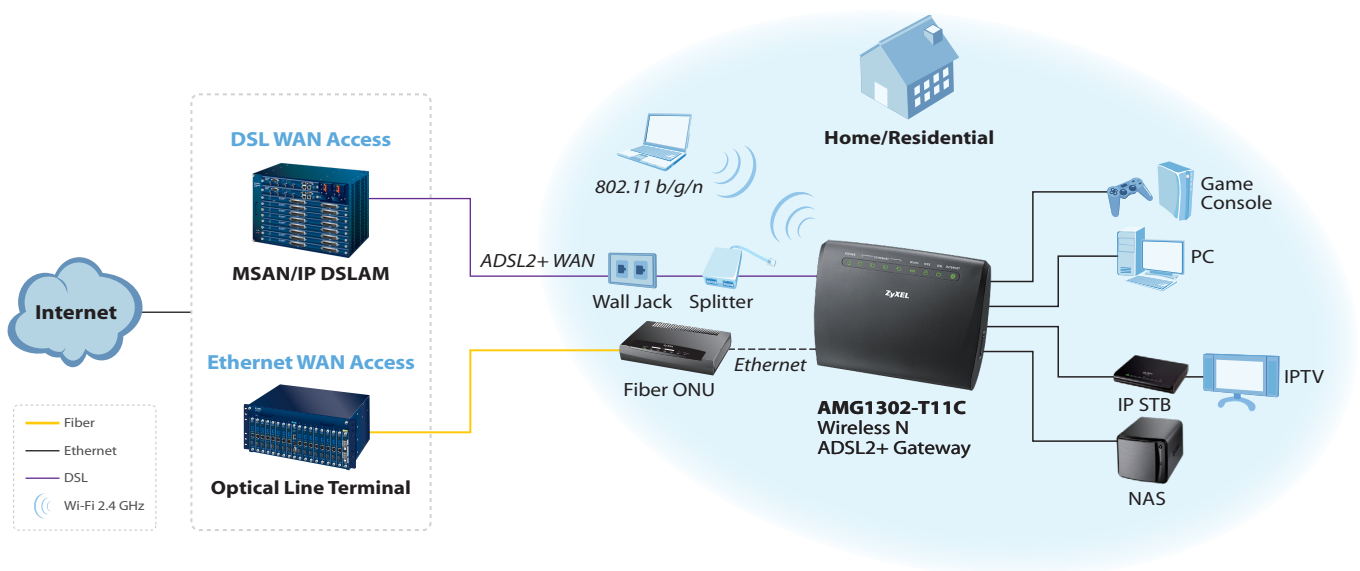
TR-069 remote management

With the TR-069 standard management specifications, ZyXEL AMG1302-T11C 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.

Multiple WAN for simplified ISP logistics and optimized CAPEX

When customers migrate from ADSL2+ to PON or LTE, service providers are not required to invest on new CPE and replace them at customer sites; all they have to do is keeping the ZyXEL AMG1302-T11C by unplugging the DSL line and plug a Ethernet cable into the Ethernet WAN port. The existing customer AMG1302-T11C can be retained for terminating IP connection, but now it's via the Ethernet WAN interface. In most cases, end users can still enjoy the same, or even better, experience from the original setup rather than replacing it thanks to the difference of physical connections.

Application Diagram



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 internal 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): 298 x 150 x 40 mm (11.73" x 5.9" x 1.57")
- 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

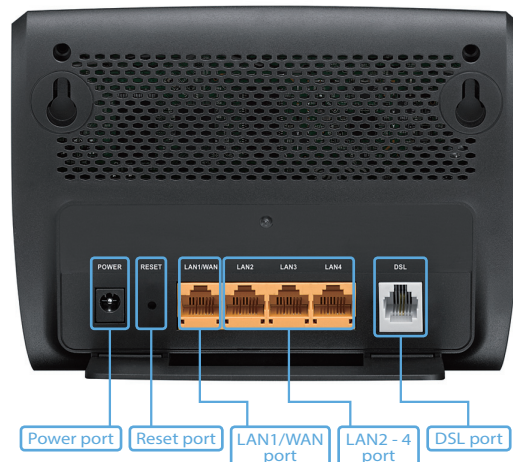
Package Contents

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

Front Panel



Rear Panel





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



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