ZYXEL

AMG1302-T11C

Wireless N ADSL2+ Gateway

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.

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.

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

Datasheet AMG1302-T11C

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.

Easy customization with ROM-D function

Service Providers need to have a quick, easy way to customize and manage different firmware versions before networking devices are distributed to fulfill specific requirements from different customers. The Zyxel AMG1302-T11C features ROM-D to provide the flexibility for service providers to change default configuration settings easily through just uploading of a new customized configuration file.

Application Diagram
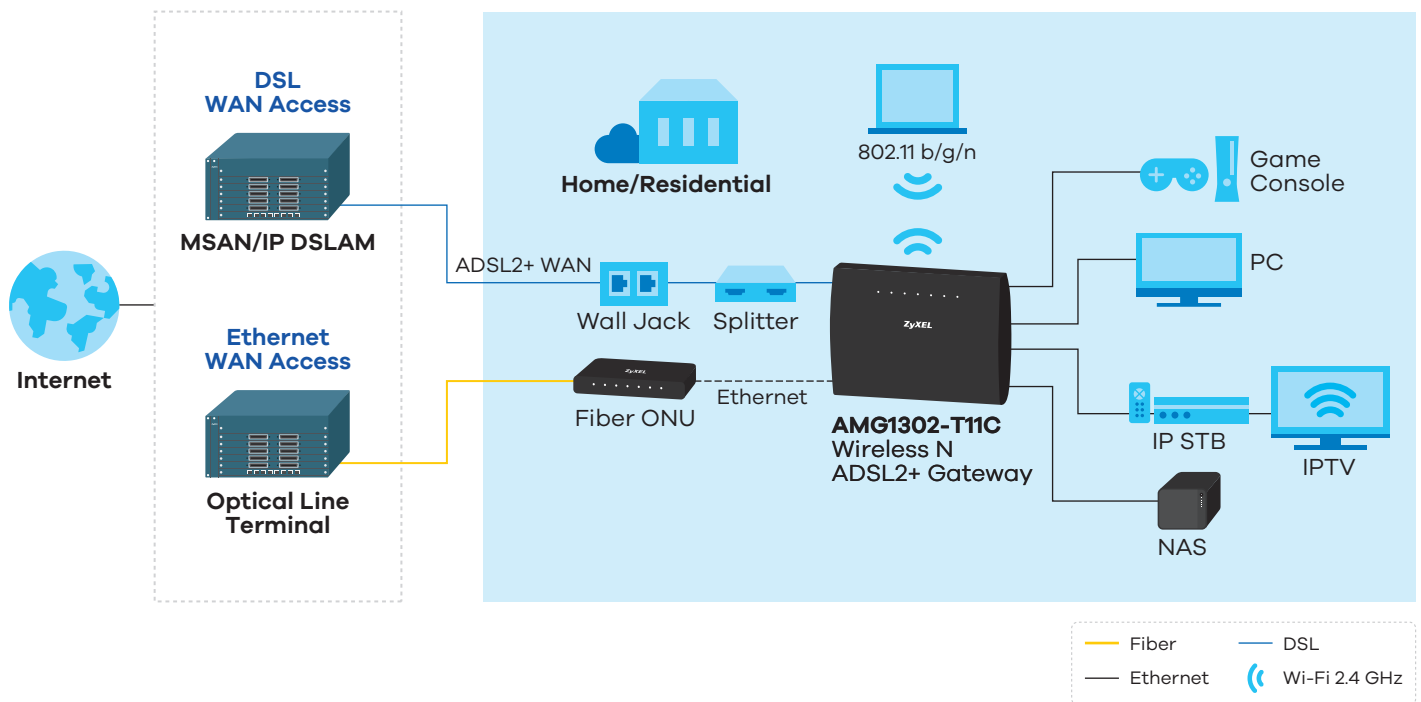
Specifications

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
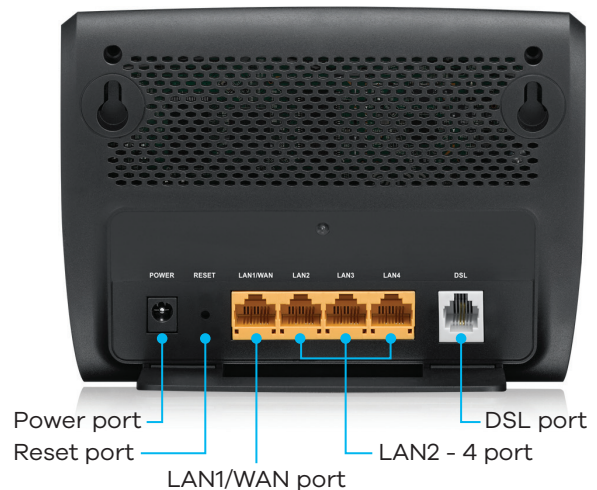• EMI: CE
• Wi-Fi CERTIFIED™ logo

Package Contents
• Wireless router
• Power adapter
• Ethernet cable
• Phone cable
• Quick start guide

Front Panel

WLAN button
WPS button

Rear Panel

Power port
Reset port
LAN1/WAN port
LAN2 - 4 port
DSL port