

CT-4361

GPON WLAN VoIP IAD



Description

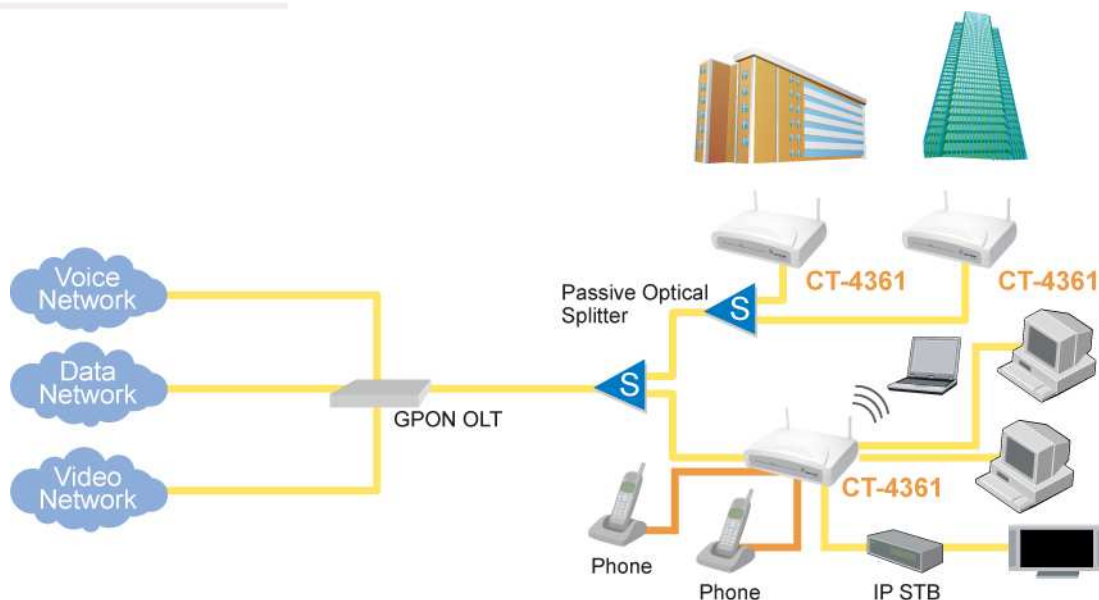
Comtrend's CT-4361 GPON (Gigabit-capable Passive Optical Network) WLAN VoIP IAD unlocks the door to the next generation of access networks with multiple interfaces. The Gigabit Ethernet port easily supports any media device to achieve a Triple-play experience. Access to the Internet is available through the WLAN or Ethernet ports. Two FXS ports provide predictable, real-time, toll-quality voice over the Internet. Added features include DBA (Dynamic Bandwidth Allocation) algorithm and QoS.

The CT-4361 is easily controlled by a remote system that is flexible enough to interoperate with the OLT units of different vendors. As a member of FSAN, Comtrend has proven the interoperability of its GPON ONT series products with different OLTs by undergoing rigorous IOT (Inter Operability Tests).

Features

- ITU-T G.984 standard compliance
- 2.5Gbps downstream and 1.25Gbps upstream uplink interface
- Class B+ compliant APD receiver and DFB transmitter
- Gigabit Ethernet capability
- Integrated 802.11g AP, backward compatible with 802.11b
- Integrated VoIP function support (G.711 and G.729)
- Traffic QoS support
- DBA reporting
- IGMP v1/v2/v3 snooping support for IPTV service
- Routing protocol support for Static route, RIP and RIPv2
- DHCP Server/Relay
- NAT/NAPT
- Firewall function support

Applications Diagram



CT-4361

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Specifications

GPON Interface

Standard	ITU-T G.984
Optical Line Rate	Downstream: 2.488Gbps / Upstream: 1.244Gbps
Optical Fiber & Connector type	Single mode SC/PC
Wavelength	1490nm downstream & 1310nm upstream
Optical Budget	Class B+ (13 – 28 dB)
Transmission Distance	Min. 20 km within class B+
Splitting ratio	1 by 64 within class B+

LAN/WAN Interfaces

Standard	IEEE 802.3, IEEE 802.3u
Ethernet Port & Connector type	1XGigabit Ethernet, 3XFast Ethernet Ports.
10/100/1000 BaseT	Auto-sense
MDI/MDX support	Yes

WLAN

Standard	IEEE802.11g, Backward compatible with 802.11b.
Encryption	64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
Channels	11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
Data rate	Up to 54Mbps
MAC address filtering, WEP, WPA, IEEE 802.1x	
10, 25, 50, 100mW @ 22MHz channel bandwidth output power level can be selected according to the environment	

Voice Interface

FXS Port types and Protocol	2XRJ-11, SIP (RFC3261)
Codecs	G.711u, G711a, G.729ab
RTP	RFC1889
SDP	RFC2327
CallerID	ETSI based
Echo Cancellation	G.168
Silence Suppression	Yes

Bridge Functions

IEEE 802.1d Transparent bridging and learning, Spanning Tree Algorithm, IGMP Proxy

Routing Functions

Static route, RIP, and RIPv2, NAT/PAT, DHCP Server/DHCP Relay, DNS Proxy, ARP

Security Functions

Authentication protocols	PAP, CHAP
VPN	PPTP/L2TP/IPSec pass-through
Stateful packet inspection, Packet filtering, Denial of service protection, Traffic conditioning, WFQ-based bandwidth Management, HTTP proxy	

QoS

L3 policy-based QoS, IP QoS, ToS, DSCP

Management

Telnet, Web-based management, Configuration backup and restoration
Software upgrade via HTTP, TFTP server, or FTP server

Power Supply

External power adapter 110 Vac or 220 Vac Input, DC 15V/1.6A Output

Certifications

FCC Part 15, CE

Note: Specifications are subject to change without notice.

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