

# CT-6101

## ADSL2+ VoIP IAD



### Description

Comtrend's CT-6101 is a single port VoIP Integrated Access Device (IAD), providing predictable, real-time, toll-quality voice over the Internet.

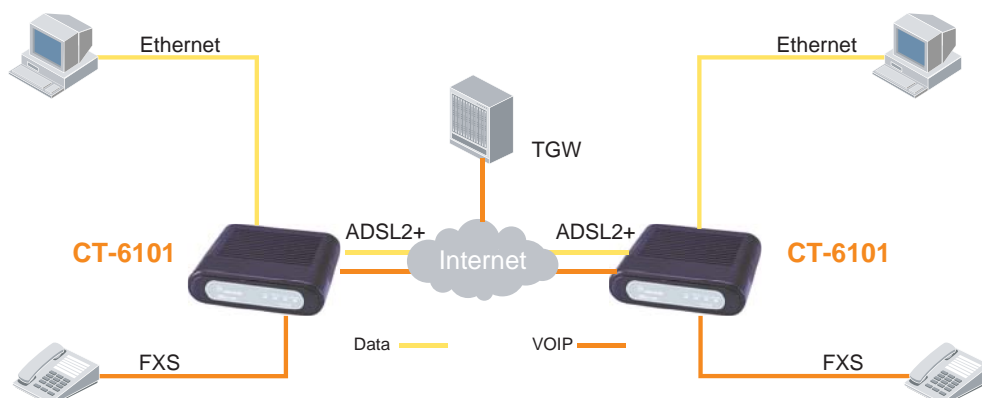
The CT-6101 is for ADSL2/2+ over PSTN. It is designed for residential and business users who need to integrate ADSL2/2+, and VoIP technologies. With ADSL2/2+ broadband technology, the CT-6101 offers users easy access to the Internet via Ethernet, and provides VoIP via standard analog phones.

The CT-6101 allows calls to be routed to anywhere in the world – significantly reducing or eliminating long distance charges. You can even make phone calls when your PC is turned off. The CT-6101 supports policy based QoS on layer 3, which provides high quality voice service. It also provides a solution for all your network and telephony needs in one integrated unit, which reduces space requirements, and the cost of hardware and cabling. This makes CT-6101 the most cost effective solution for your application.

### Features

- ADSL2/2+ VoIP and Router Integrated
- Supports emergency call
- Supports Quality of Service (QoS) for voice
- Supports caller ID presentation and restriction
- Supports call hold
- Supports call waiting
- Supports call forwarding
- Supports call transfer
- Supports 3-way conference
- Supports Direct number dialing
- Remote administration and automatic remote firmware upgrade and configuration
- Supports VPN Pass-Through
- Supports Day-time parental control

### Applications Diagram



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### Specifications

#### WAN Interface

ADSL Standard  
ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ITU-T G.992.2, ANSI T1.413 Issue 2  
G.992.3(ADSL2) Downstream: Up to 12 Mbps Upstream: 1.3 Mbps  
G.992.5(ADSL2+) Downstream: Up to 24 Mbps Upstream: 1.3 Mbps

#### LAN Interface

Ethernet x 1

#### Optional USB Interface

USB 1.1

#### Analog Interface

FXS x 1  
ATM Attributes  
RFC 2364, RFC 2684 (RFC 1483) Bridge; RFC 2684 (RFC 1483) Route; RFC 2516; RFC 1577  
VCs 8  
AAL type AAL5  
ATM service class UBR/CBR/VBR  
ATM UNI support UNI3.1/4.0  
OAM F4/F5 Yes

#### Management

SNTP, ILMI 4.0, Telnet, Web-based management, Configuration backup and restoration  
Software upgrade via HTTP, TFTP client and server, or FTP server

#### Bridge Functions

Transparent bridging and learning IEEE 802.1d  
IGMP Proxy Yes  
IGMP Snooping Yes

#### Routing Functions

Static route, RIP, and RIP v1,v2, NAT/PAT, DHCP Client/Server/Relay, DNS, 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

#### Voice Functions

SIP RFC 3261  
MGCP RFC 3435  
Codec G.711, G.723.1, G.729ab  
RTP RFC 1889  
SDP RFC 2327  
Caller ID ETSI based  
Life line/Emergency call Yes  
Echo cancellation G.168  
Silence suppression Yes

#### Power

External power adapter 100-240 Vac to 15VDC /1A

#### Environmental Conditions

Operating temperature 0 ~ 50 degrees Celsius  
Relative humidity 5 ~ 90% (non-condensing)

#### Dimensions

140 mm (W) x 36 mm (H) x 132 mm (D)

Specifications are subject to change without notice.

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