



CT-6381

ADSL2+ VoIP WLAN IAD

Features

- ADSL2/2+ VoIP and Router Integrated
- Integrated 802.11g AP (backward compatible with 802.11b)
- Supports life line: PSTN alive when power off
- Supports fast 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

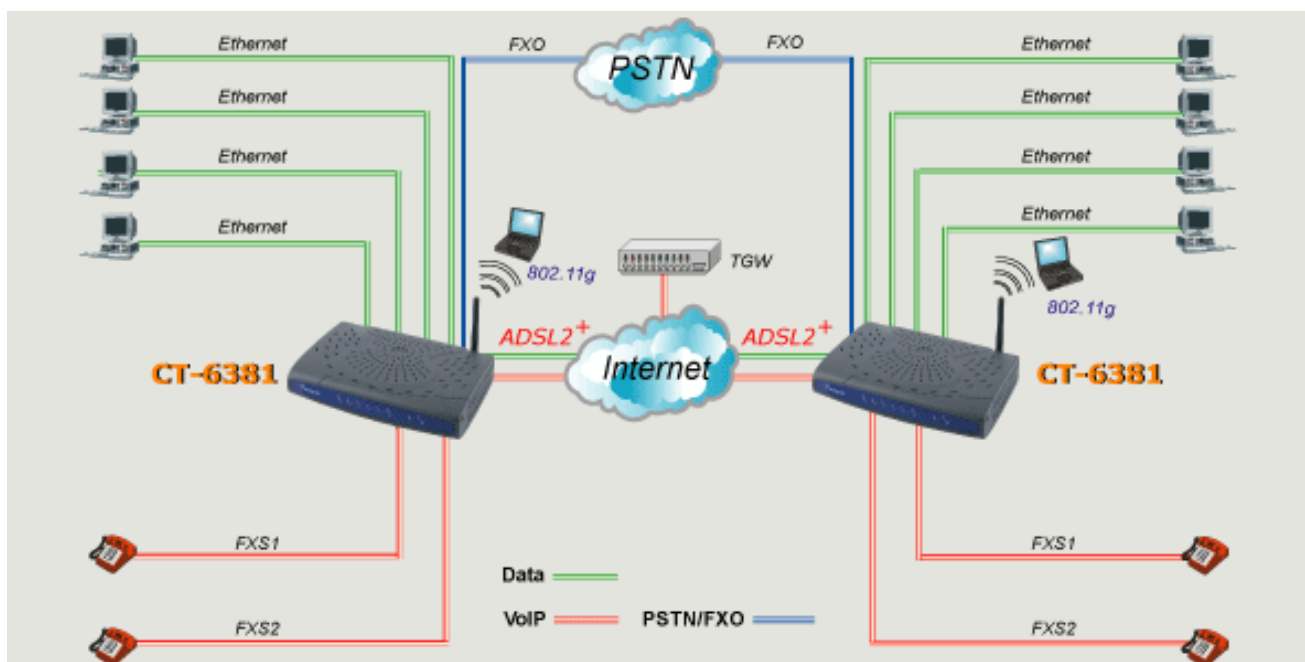


Description

Comtrend's CT-6381 is a powerful WLAN VoIP Integrated Access Device (IAD), providing predictable, real-time, toll-quality voice over the Internet. The CT-6381 is for ADSL2/2+ over POTS (Annex A). It is designed for residential and business users who need to integrate ADSL2/2+, WLAN and VoIP technologies. With ADSL2/2+ broadband technology, the CT-6381 offers users easy access to the Internet via WLAN or Ethernet, and provides VoIP via standard analog phones.

The CT-6381 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-6381 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-6381 the most cost effective solution for your application.

Applications Diagram



Specifications

CT-6381 ADSL2+ VoIP WLAN IAD

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 4

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 select according to the environment

Analog Interface

FXS x 2, FXO 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

SNMP, 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 100-240Vac to 18Vdc /1.5A

Environmental Conditions

Operating temperature 0 ~ 50 degrees Celsius

Relative humidity 5 ~ 90% (non-condensing)

Dimensions

205 mm (W) x 47 mm (H) x 145 mm (D)

Specifications are subject to change without notice.



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