

CTA

Dual channel ISDN2 Terminal Adapter



- ISDN2 “Basic Rate” Terminal Adapter (ISDN Modem)
- 2 RS232 serial ports (optional USB or X.21 port)
- AT command interface compatible with modems
- Multiprotocol support : V120, HDLC, PPP, MPPP, X.25, X.28 PAD, TPAD, V110, X.75
- Local/remote software upgrade
- B and D channel protocol analysers with full L2 + L3 decode
- Robust aluminum enclosure
- Compatible with any computer operating system
- 2 Optional POTS interfaces simulate PSTN network for analogue telephony equipment

The CTA terminal adapter interfaces serial communications equipment to the ISDN network for use in the widest possible variety of applications.

The two RS232 serial ports allow two applications to use the CTA concurrently and independently. The CTA replaces two single port ISDN modems when used this way and saves you money and space.

The CTA is the result of DSP teams 20 years experience in developing and manufacturing ISDN modems and offers a wide set of features to ensure it is compatible with practically any other ISDN or serial equipment.

The CTA will upgrade the performance of practically any application software designed for use with a modem by delivering fast connections, high speed error-free data and very low transmission latency.

We offer free of charge advice and technical support, plus software upgrades via our website to ensure that the CTA will continue to meet your needs in the future.

Typical applications for the CTA are:

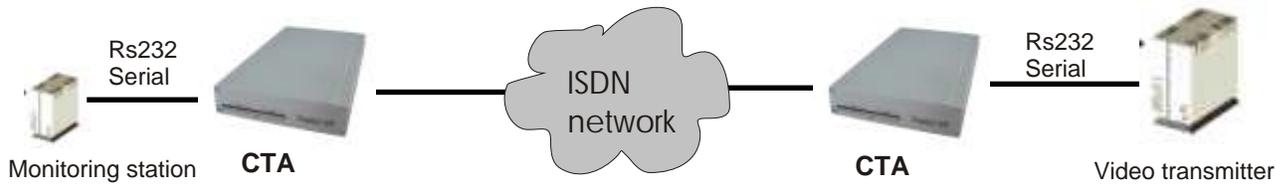
- Internet and remote LAN access
- Electronic Point-of-Sale transaction processing
- Live video image transmission and reception

DSP

8 Boulders Lock Milton Keynes England MK14 5QR
Tel (+44) 1908 216174 Fax (+44) 1908 216174

www.digitalsp.co.uk

Application example - video monitoring



A popular application for the CTA is for the transmission of live video signals. The CTA is the preferred ISDN modem for monitoring stations as it can detect and adjust to calls from other manufacturers equipment as well as other CTAs. The high speed serial interface and connection speed of up to 128Kbps (MPPP) help deliver the best possible image quality and animation. For central stations operations we offer a dual serial channel model which halves the number of ISDN modems required, and can offer a high density euro card chassis with up to 56 independent channels.

Specifications

General

ISDN terminal adapter / ISDN modem

Connections

RJ45 ISDN2 socket * 1
RJ45 Socket for RS232 serial interface * 2
2.5mm DC power socket
RJ12 Socket for POTS * 2 (Optional)

Indicator LEDs

Power
ISDN active or inactive
8 Serial interface status (TXD,RXD,DTR,DCD for each channel)

ISDN Network compatibility

Basic rate Euro ISDN / ISDN2

Terminal Adapter features

ISDN TA with support for PPP, V120, V110, X25/X28 PAD, X25 TPAD, X31, X.75, CLI, MSN
"AT" command interface via serial port

Serial ports

RS232 compatible supporting baud rates from 4800bps to 115200bps with automatic baud detection.
Both channels provide full modem control signals presented on 9 pin 'd' connector

Configuration

Configured using "AT" or X.28 PAD commands

Diagnostics

Real time trace analyses ISDN B and D channel communications (Via second serial port)

Physical

Size (mm) 118W x 127D x 29H. Weight 310g
Supplied with ISDN cable and two serial 9 pin female RS232 adapter cables and two 9 to 25 way converter plugs.

Power

Powered from supplied plug top transformer
Requires 9-12V DC or 8-14V AC 0.5A

Optional features

Synchronous operation
X.21 interface
Multilink PPP
OEM embedded solution
0-56 Channel Euro chassis for high density installations
2 * POTS interfaces for analogue telephony equipment

DSP

8 Boulders Lock Milton Keynes England MK14 5QR
Tel (+44) 1908 216174 Fax (+44) 1908 216174

www.digitalsp.co.uk