



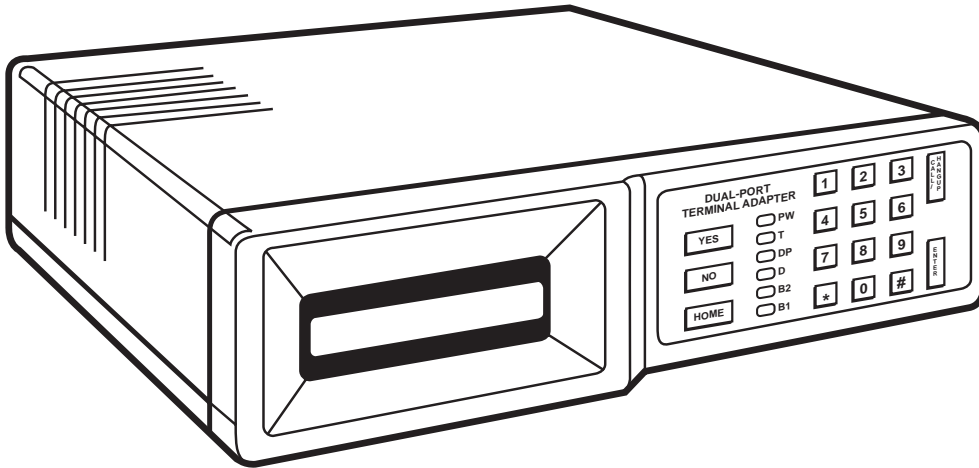
BLACK BOX[®]

© Copyright 1996. All rights reserved
Black Box Corporation.

The Source for Connectivity[®]

Dual-Port Terminal Adapter

Multi-featured ISDN terminal adapter connects two devices to ISDN Basic-Rate Service.



Connect two devices with just one Terminal Adapter—and get ISDN speed for both.

Key Features

- ▶ No need to buy a separate NT1 unit—the U interface is built-in.
- ▶ Provides two 64-Kbps data channels.
- ▶ Supports RS-232 and V.35 interfaces.
- ▶ Six front-panel LEDs monitor operation.
- ▶ Stores up to 10 dial strings per port.
- ▶ Select options and functions from the front-panel keypad or by AT commands.

Overview

This high-speed Terminal Adapter connects existing DTE equipment to the Integrated Services Digital Network (ISDN). It provides access to two 64-Kbps B-channels for circuit-switched or “nailed-up” calls, and to a 16-Kbps D-channel for transferring signaling information. The D-channel also provides access to D-channel packet service.

With this Adapter you can connect up to two terminals, PCs, or other data terminal equipment to the ISDN. The Adapter sends data communications over a single Basic Rate Access line, using either circuit-switched or X.25 packet calls. The basic 2-port configuration supports synchronous or asynchronous data using a variety of protocols.

Asynchronous data is transferred at a rate of 300 bps to 115.2 Kbps; synchronous data is transferred from 1200 bps to 128 Kbps. With D-channel X.25 packet support, the Adapter processes asynchronous data using its

internal PAD for transmission for LAPD protocol on the D-channel.

A menu-driven 32-character LCD front panel provides command feedback, as well as real-time displays. Operation is monitored by the six LEDs on the front panel.

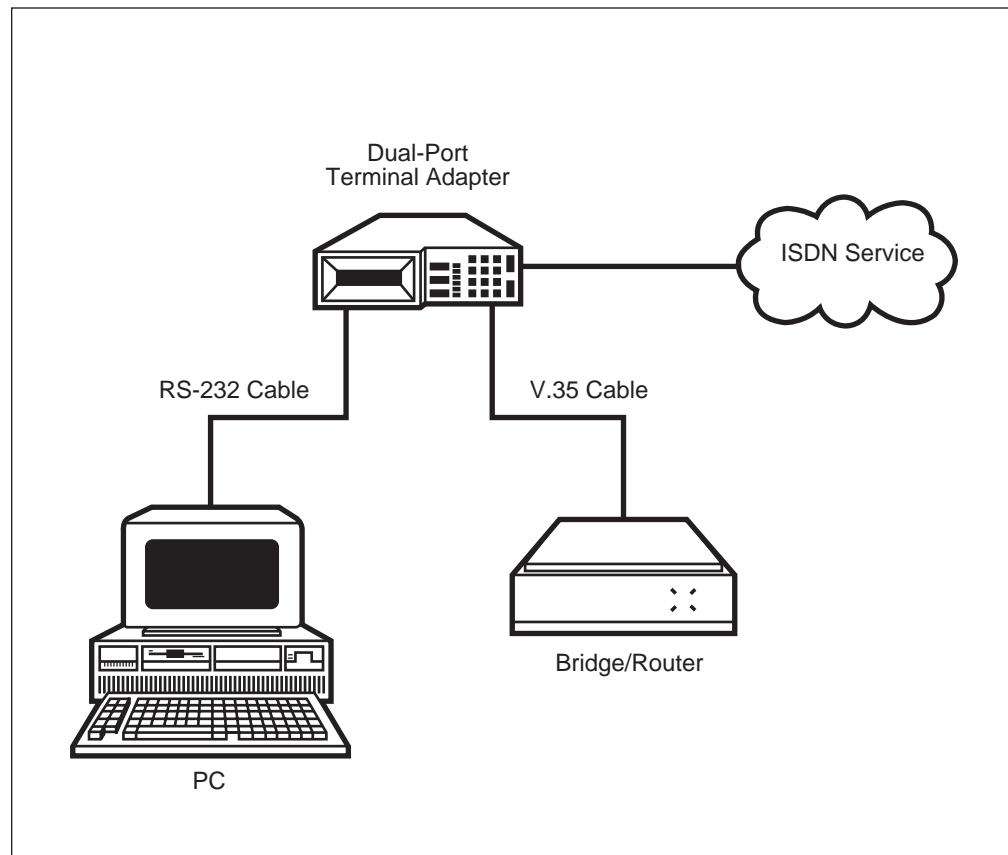
Compatibility

The Dual-Port Terminal Adapter is compatible with:

- Northern Telecom DMS100 ISDN central office switches running software versions BCS-29 and above.
- AT&T[®] 5ESS ISDN central office switches running generic programs 5E4.2 or above for TYPE A terminals.
- central-office switches running the signaling standard National ISDN 1 (NT1).

Note that the Adapter does not support electronic key telephone services (EKTS) or any supplementary data services.

With the Dual-Port Terminal Adapter, both the PC and the Bridge/Router receive ISDN service.



Technically speaking

ISDN (Integrated Services Digital Networking) is an ITU-defined standard for a public-switched service allowing digital transmission

of voice, data, and video over one network. ISDN is the perfect choice for high-volume datacomm applications requiring faster

data rates, lower prices, and guaranteed data integrity. These applications include Internet access and on-line service, telecommuting,

remote-office routing, video conferencing, PC-to-PC screen-sharing and collaboration, and disaster recovery.

Specifications

Standards — AT&T® 5ESS central office switch; Northern Telecom® DMS-100 central office switch

Line Type — ISDN

Protocol — DTE:
Asynchronous and synchronous; BRI: 2B1Q

Speed — Async: up to 115.2 Kbps; Sync: up to 128 Kbps

Operation — Full duplex, point-to-point or multipoint

Interface — RS-232, V.35

Leads Supported — RS-232: 1-8, 15, 17, 20, 22, 23

Indicators — (6) LEDs: B1, B2, D, DP, T, PW

Diagnostics — 2B+D Loopback; NT1 B1 and B2 Loopback; NT1 self-test; NT1 Status

Connectors — (2) DB25 female, (1) RJ-45 female

Operating Temperature — 32 to 122°F (0 to 50°C)

Storage Temperature — -40 to 176°F (-40 to 80°C)

Relative Humidity — Up to 95%, noncondensing

Power — 115 VAC/60 Hz or 230 VAC/50 Hz

Size — 2.5"H x 9.6"W x 7"D (6.4 x 24.4 x 17.8 cm)

Weight — 5 lb. (2.3 kg)

The complete package

What you get when you order the Dual-Port Terminal Adapter

- (1) Dual-Port Terminal Adapter
- (2) 25-pin to M34 adapters
- (1) User's manual

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
Dual-Port Terminal Adapter	IS260A