



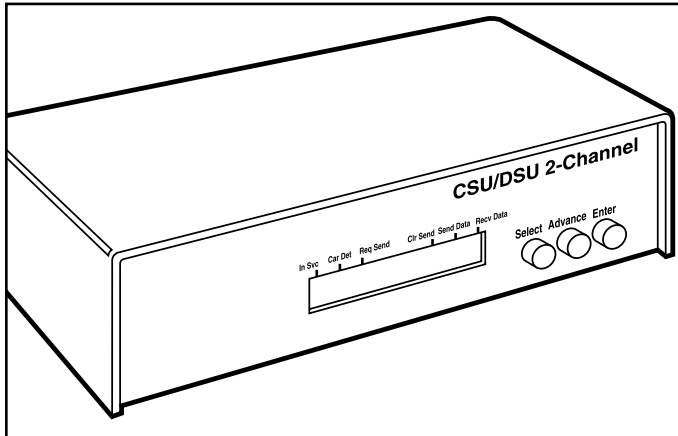
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Black Box Corporation.

BLACK BOX[®]

NETWORK SERVICES

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2-CHANNEL CSU/DSU



***More for your money!
Run two channels over
a single DDS line.***

Key Features

- ▶ ***Split one DDS line into two high-speed subchannels.***
- ▶ ***Easy configuration and management.***
- ▶ ***Complete diagnostics.***
- ▶ ***Finds network faults fast to minimize downtime.***
- ▶ ***RS-232 subchannel runs at speeds up to 56 kbps; V.35 subchannel operates up to 64 kbps.***
- ▶ ***Sync or async (RS-232) or sync only (V.35) operation.***

If you're craving for line savings, Black Box has a piping-hot solution that's perfect for you.

The 2-Channel CSU/DSU offers two independent high-speed digital channels that simultaneously transfer data over one DDS line. There are no monthly bills for a second DDS line—and no costs for additional hardware!

The CSU/DSU's channels operate at data rates between 2400 bps and 56 or 64 kbps. Select a combination of port speeds for either async or sync operation. The sum of the port speeds must be less than (not equal to) the selected line speed.

Configure Port 1 for V.35 or RS-232 operation via its M/34 or

DB25 connector. Port 2 is supported with a single DB25 RS-232 interface.

Limited-distance modem operation is also available when the 2-Channel CSU/DSU is configured with a master clock setting. The unit can operate error-free—up to 10 miles (16.1 km)—at 64 kbps over 19-gauge copper wire!

A front-panel LCD display provides a visual interface into the unit's menu system. The menu system enables you to configure, test, and monitor the unit's operation.

Three buttons allow for DDS port and line settings (Advance)

management, selection of an operational display (Select), and performing diagnostics (Enter).

Diagnostics include Self-Test, Digital Loop, Local Loop, and Remote Loop. The unit can quickly isolate network faults and minimize your network downtime—and that means even greater savings!

The 2-Channel CSU/DSU is also foolproof. Even if the ports are accidentally misconfigured, a factory reset is as simple as pressing all three buttons while powering up. Factory reset returns the CSU/DSU to original settings, so you can easily fix what went wrong.

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.

- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p. m. and you need help, but your vendor's tech support line is closed.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely

important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

Specifications

Diagnostics: V.54 loopback tests

Speed: RS-232: 2400, 4800, and 9600 bps, 19.2, 38.4, and 56 kbps (sync or async); V.35: 2400, 4800, 9600 bps, 19.2, 38.4, 56, and 64 kbps (sync only); DDS: 64 kbps (sync only)

Distance (Maximum): DDS circuit (RJ-48 connector): Up to 10 mi. (16.1 km) at 64 kbps over 19-gauge copper cable

Command Mode: Front panel

Leads Supported: Local mapping 1–8, 15, 17, 20

Line Type: DDS

Modulation: TDM

Operation: Full duplex

Protocol: Sync or async

User Controls: (3) front-panel buttons: Select, Advance, and Enter

Interface: Channel ports: RS-232 or V.35; Line port: DDS

Connectors: (1) Power; Subchannel port 1: (1) M/34 female, (1) DB25 female; Subchannel port 2: (1) DB25 female; DDS line port: (1) RJ-48

Indicators: 16-character LCD

Power: 115 VAC, 60 Hz

Size: 2.5"H x 7.8"W x 6.8"D (6.4 x 19.8 x 17.3 cm)

Weight: 2 lb. (0.9 kg)

What the Package Includes

- 2-Channel CSU/DSU
- (1) RJ-45 to RJ-45 cable (DDS input)
- (1) Power supply
- A user's manual

Ordering Information

ITEM	CODE
2-Channel CSU/DSU	MT148A