

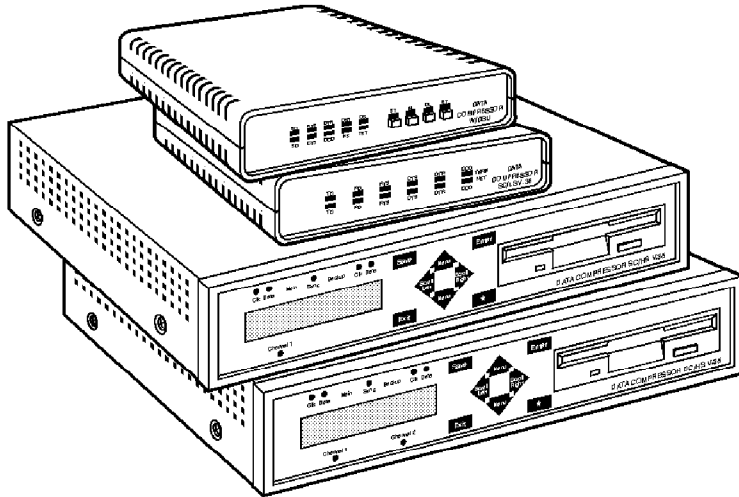


BLACK BOX[®]

© Copyright 1993. All rights reserved
Black Box Corporation.

The Source for Connectivity[®]

Data Compressors



Transmit data over existing telephone lines and increase WAN performance—without expensive upgrades or additional circuits.

These compressors use an advanced dynamic algorithm for maximum data throughput.

Key Features

- ▶ Triples throughput rates.
- ▶ Completely transparent to end-user.
- ▶ Features dynamic algorithm and flow-control capabilities.

Overview

Add a pair of data compressors to your existing WAN and watch your throughput rates climb 1.5 to 3 times higher (depending on your configuration)—without costly, time-consuming upgrades.

Easy to install, each compressor receives synchronous data from a bridge, router, gateway, or SNA controller, compresses it, and then routes it to your existing CSU/DSU for transmission over a high-speed composite channel. Another unit at the remote end decompresses the data.

All models are completely transparent to the end-user. Dynamic algorithm technology maximizes throughput across all types of traffic, all applications, and all user data. And, thanks to flow-control capability, the units accept data and compress it on the fly at lightning speeds.

MT800A

This single-channel unit supports speeds up to 56 Kbps. It includes a built-in CSU/DSU that's perfect for Dedicated DDS and Switched 56 operation—

including stored-number dialing upon power-up. The compressor automatically downloads parameters to a remote unit. It even lets you remotely reinitialize a unit, to tell the command port to set parameters on the remote unit.

MT804A

This single-channel unit supports speeds up to 384 Kbps and data block sizes up to 4096 bytes! Like the MT800A, the MT804A features automatic parameter download and remote reinitialization.

MT806A

This compressor features maximum speeds of 6 Mbps on one channel giving you increased throughput and data-compression rates—but for less money than the MT810A. The MT806A features nonvolatile memory for parameter storage

and extensive statistics, including compression ratios and port speed.

MT810A

Meet our highest-speed model. It supports transmission rates of up to 2.048 Mbps on the trunk, and 6 Mbps throughput on both channel ports. And if your T1 lines go down, it's no problem for the MT810A. The compressor automatically switches to a backup port. For maximum flexibility, you can choose to run two 6-Mbps channels into one T1 line, or run two devices at T1 rates on one channel. Like the MT806A, this unit features nonvolatile memory.

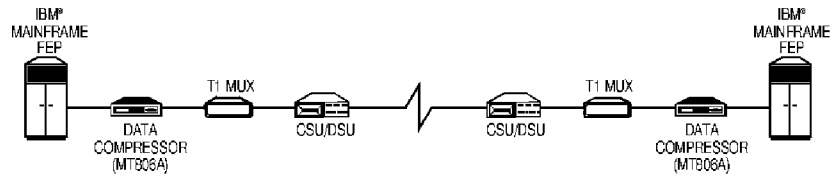
NOTE: These units must be used in pairs. Compression ratio for all models depends on your computer system.

Typical Applications

Use a pair of MT806A data compressors to transmit data from one IBM Mainframe FEP to another. See the diagram on page two.

Use a pair of MT804A compressors to transmit data over your 56K DDS LAN.

Use the MT806A in a mainframe-to-mainframe application.



Technically Speaking

- ◆ Dynamic algorithm technology continuously and intelligently monitors incoming data streams and assigns the most effective subcodes to characters that repeatedly occur. It also monitors frequently used words, phrases, syllables, and protocol controls and assigns subcodes.
- ◆ The compressors use two clock speeds for each input

channel—one that exceeds the network link speed and one that is significantly slower than the network link speed to permit flow control.

- ◆ Supports HDLC, SDLC, X.25, TCP/IP, IX, and most other popular LAN synchronous protocols.
- ◆ Compatible with Ethernet bridges, Token Ring bridges, routers, IBM® Front-End Processor to Front-End Processor, and IBM Channel Extension.
- ◆ Each compressor features a V.35 interface, the most common interface in DDS, ISDN, T1, and E1.

The Complete Package

What you get when you order Data Compressors.

- ◆ Data Compressor
- ◆ User's Manual

Additional equipment you may need

- ◆ RS-530/V.35 Adapter Cables

Specifications Data Compressors

w/DSU (MT800A)

Speed — Composite Rate: 2400 bps to 56 Kbps; Terminal Rate: up to 384 Kbps; switch-selectable

Interface — V.35 on a DB25 connector pinned for RS-530 (order optional Adapter Cables to convert to a standard V.35 connector)

Connectors — (1) each: DB25; RJ-48; RJ-11

Power — 120 VAC ± 10%, 47-63 Hz, 15 watts

SC/LS V.35 (MT804A)

Speed — Composite Rate: 2400 bps to 56 Kbps; Terminal Rate: up to 384 Kbps; switch-selectable

Interface — V.35 on a DB25 connector pinned for RS-530 (order optional Adapter Cables to convert to a standard V.35 connector)

Connectors — (1) each: DB25; RJ-48; RJ-11

Power — 120 VAC ± 10%, 47-63 Hz, 15 watts

SC/HS V.35 (MT806A)

Speed — Composite Rate: 1.544 Mbps; Terminal Rate: 6 Mbps

Interface — V.35 on a DB25 connector pinned for RS-530 (order optional Adapter Cables to convert to a standard V.35 connector)

Connectors — (1) DB9 male, (5) DB25 female

Power — 90-130 VAC, 47-63 Hz, 50 watts

DC/HS V.35 (MT810A)

Speed — Composite Rate: 2.048 Mbps; Terminal Rate: 6 Mbps

Interface — V.35 on a DB25 connector pinned for RS-530 (order optional Adapter Cables to convert to a standard V.35 connector)

Connectors — (1) DB9 male, (5) DB25 female

Power — 90-130 VAC, 47-63 Hz, 50 watts

For these and other components...

Call our expert Technical Support Staff for all your Data Compression needs. They'll help you find the best equipment for your application.

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	PRODUCT CODE
Data Compressor	
w/DSU.....	MT800A
SC/LS V.35.....	MT804A
SC/HS V.35.....	MT806A
DC/HS V.35.....	MT810A