

# DME DIGITAL MULTIDROP EXTENDER

RS-232  
Line Driver



## FEATURES / BENEFITS

- ✓ Interface - RS-232 and Dedicated 4-Wire
- ✓ Data Rates - Synchronous to 64Kbps
- ✓ DCE/DTE Selectable RS-232 port
- ✓ Point-to-Point or Multi-point Operation up to 32 drops
- ✓ Timing - Internal or External
- ✓ Data Carrier Detect (DCD) - Constant or Switched Carrier operation
- ✓ Contention - Selectable for RTS or Data
- ✓ Anti-Streaming - Enable or Disable
- ✓ RTS/CTS - Variable delay settings
- ✓ 110/220VAC switch selectable

## DESCRIPTION

The Digital Multidrop Extender (DME) utilizes state of the art digital CMOS technology to provide a feature filled product at a very affordable price. The DME transmits and receives data bi-directionally at data rates up to 64kbps. The unit is designed for synchronous Point-to-Point or Multi-point operation.

Applications that benefit from the DME are Polled / Contention networks operating on Switched or Constant Carrier Operation. The DME allows the user to set up a fully digital multipoint network over a campus environment by connecting directly to the back of a CSU/DSU. In this scenario, clocking is provided by the DDS while the DME transmits digital data bi-directionally as the DTE devices are polled from the Host site.

Substantial cost savings are derived by eliminating the need for a Time Division Multiplexer (TDM) or Digital Sharing Device (DSD) behind the CSU/DSU. Additionally, analog Line Drivers are no longer required from the subchannel ports of the TDM or DSD to remote DTE devices.

Installation is fast and simple by setting the internal DCE/DTE switch, Clocking, Constant or Switched Carrier Operation and the Contention Mode of RTS or Data.

The DME provides optional Anti-Streaming circuitry. Once enabled, Anti-Streaming will automatically remove a defective DTE from service if the Data / Control criteria is present for the user defined selection period.

The DME is housed in a sturdy metal enclosure and operates on 110/220VAC.

The DME has a three year warranty and a 24 hour turnaround on warranty repairs.



**EAST COAST DATACOM, INC.**

# SPECIFICATIONS

## Application

Full Duplex Synchronous Point-to-Point or Multi-point Digital Data Transmission

## Capacity

Up to 32 drops per site

## Interface

RS-232 and 4-Wire EMI reduced RS-485

## Data Rates

2.4k to 64Kbps with 3/4 baud rates

## Driving Distance

Dependent on data rate and wire gauge

## Switches

DCE/DTE for RS-232 port

## RS-232 Physical Interface

Female DB-25 Connector

## 4-Wire Physical Interface

(2) RJ-45's and 4-Position Terminal Block

## Line Requirements

Four Wire private, unloaded with no bridge taps

## Power Source

100-120 to 200-220VAC @10%, 50/60Hz, 0.16/0.08A, external 110/220 volt select switch, IEC Power Inlet, (2) 5mm Fuses

## Environmental

Operating Temperature . . .32° to 122° F (0° to 50° C)  
Relative Humidity . . . . .5 to 95% Non-Condensing  
Altitude . . . . .0 to 10,000 feet

## Regulatory Approvals Tested According to

UL 60950-1:2003, CAN/CSA-C22.2 No. 60950-1:2003, FCC Part 15, Class A

## Dimensions

Height . . . . .1.75 inches (4.44cm)  
Width . . . . .7.90 inches (20.07 cm)  
Length . . . . .9.00 inches (22.86 cm)

## Weight

2 pounds (0.914Kg)

## Warranty

Three Years, Return to Factory

## ORDERING INFORMATION

Part Number: 106000

Model: DME

Description: Digital Multidrop Extender

## INCLUDED WITH EACH UNIT:

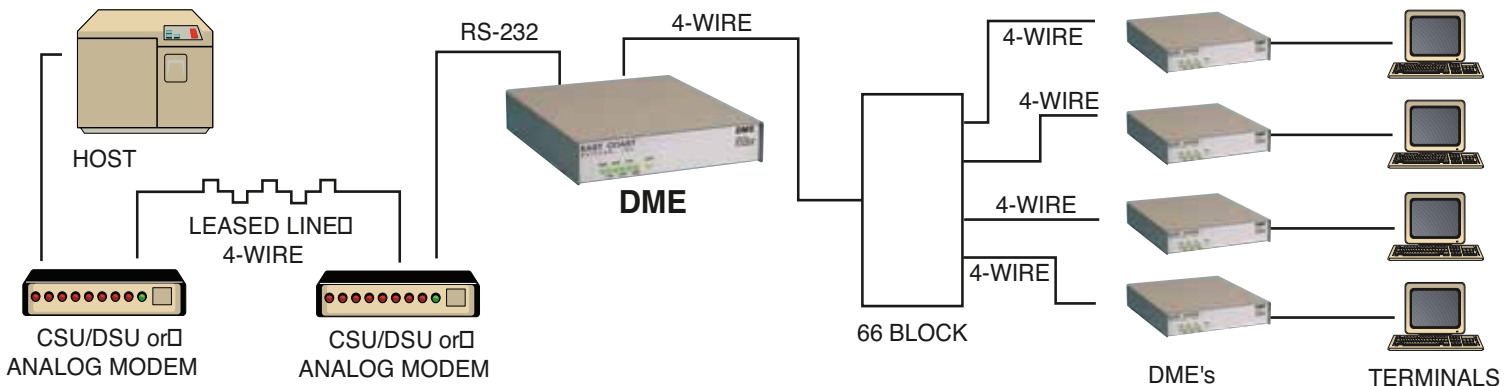
- 1) Operations Manual
- 2) U.S.A. Grounded Power Cord, Part #713015
- 3) Optional Power Cords
  - A) United Kingdom, Part #713016
  - B) Continental Europe, Part #713017
  - C) Other: Specify Country on Purchase Order

## OPTIONAL ACCESSORIES

- 1) Spare Data Center Fuses
  - A) 160ma Fuse, Qty (2) Part #714000
  - B) 80ma Fuse, Qty (2) Part #714001

For further detailed technical information on this product, contact East Coast Datacom Technical Assistance toll free at (800) 240-7948

EAST COAST DATACOM DESIGNS AND MANUFACTURES DATA COMMUNICATION EQUIPMENT FOR YOUR NETWORK REQUIREMENTS.



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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