

# DBU-16 DATA BROADCAST UNIT

RS-232/RS-422



## FEATURES / BENEFITS

- ✓ Interface - EIA RS-232 or ITU V.11 for RS-422, RS-485, X.21 or V.35
- ✓ Data Format: Async
- ✓ Data Rates - RS-232 to 128Kbps, ITU V.11 to 2.048Mbps
- ✓ Switch Selectable for RS-232 or V.11
- ✓ Visual Indication of Data Activity
- ✓ Receive Data Broadcast to sixteen Subchannels
- ✓ Ideal for V-SAT Data Broadcasting
- ✓ Sturdy Metal Rackmount Enclosure
- ✓ 110/220VAC Switch Selectable

## DESCRIPTION

The DBU-16 is designed for use in receive only async data broadcast applications. The unit has two separate input ports, capable of accepting RS-232 or RS-422(or any V.11 compliant interface) data. The user must select, via a slide switch the preferred input method. Additionally, the unit has a dedicated cascade port for chaining DBU-16 units together.

The DBU-16 continuously broadcasts receive data from the input port. The input signals are split with the internal circuitry and rebroadcast out on sixteen output ports. The output ports are divided into four modular cards. Each modular card has four output ports capable of RS-232 and RS-422(or any V.11 compliant interface). Front panel LED indicators illuminate in green or yellow depending on the data type(RS-232 or RS-422).

The user may also utilize the DBU-16 as a interface converter. This function allows RS-232 input data to be broadcast as RS-422 data or RS-422 data to be broadcast as RS-232 data. Utilizing RS-422(V.11) can support data transmissions at far greater cable distances than does RS-232. The DBU-16 can support an unlimited amount of receive only devices simultaneously.

The DBU-16 is housed in a sturdy aluminum 1U rackmount enclosure and is supplied with an internal linear power supply. The unit has a 110/220 VAC rotary select switch located on the rear of the housing.



**EAST COAST DATACOM, INC.**

# SPECIFICATIONS

## Application

Multiple Async Data Broadcasting

## Capacity

One Input Data Source

Up to Sixteen Output Ports

One Cascade Port (any number of units may be cascaded)

## Data Rates

RS-232 Up to 128Kbps

RS-422(V.11) Up to 2.048Mbps

## Data Format

Data transparent at all data rates

## Input Ports, Two

DB-9 Male Connectors, RS-232 or RS-422(V.11 Compliant)

## Output Ports, Sixteen

RJ-45 Female Connectors. RS-232 or RS-422 (V.11 Compliant)

## Output Connectors

RJ-45 Female Connectors

## Cascade Port, One

DB-9 Female Connector, RS-422 (V.11 Compliant)

## Indicators

Rear Panel: Power(PWR), Port Select, Cascade Select

Front Panel: RS-232 Data(Green), RS-422 Data(Yellow)

## 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

## Dimensions

Height ..... 1.75 inches (4.44 cm)

Width ..... 17.00 inches (43.18 cm)

Length ..... 9.00 inches (22.86 cm)

## Regulatory Approvals Tested According To

UL 60950-1:2003, CAN/CSA-C22.2 No. 60950-1:2003

FCC Part 15, EN55022:2006, ICES-003, Class A

## Weight

4.5 pounds (2.1Kg)

## Warranty

Three Years, Return to Factory

## ORDERING INFORMATION

Part Number: 158000

Model: DBU-16

Description: 16 Port, RS-232/RS-422 Data Broadcast Unit

## INCLUDED WITH EACH UNIT:

1) Operations Manual

2) Power Cord

## OTHER EAST COAST DATACOM PRODUCTS

MODEM AND PORT SHARING DEVICES

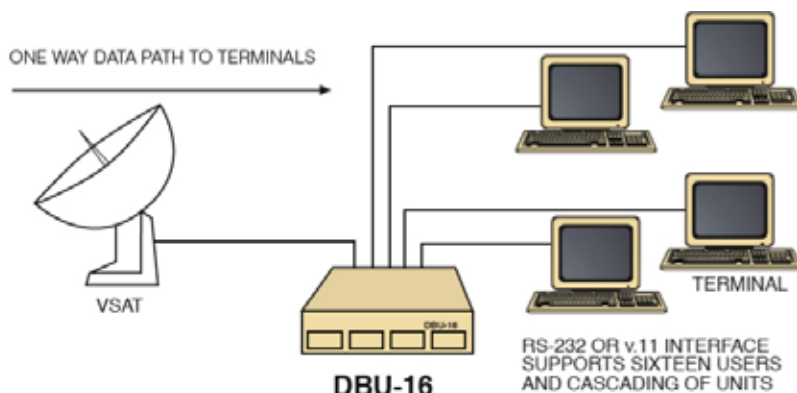
LINE DRIVERS

VDSL MUX

INTERFACE CONVERTERS

RATE ADAPTERS

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



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

## EAST COAST DATACOM, INC.

245 Gus Hipp Boulevard, STE 3 • Rockledge, FL 32955-4812 U.S.A.

TEL: (321) 637-9922

WEB SITE: [www.ecdata.com](http://www.ecdata.com)

FAX: (321) 637-9980