DESCRIPTION

The UDC-DBU Data Broadcast Unit is designed for use in receive only data broadcast applications. Examples of typical data broadcast applications are; Continuously updated public data displays and distribution of continuous noncritical data to PC’s or receive only printers.

The expanding role of V-SAT systems in receive only applications for real time data distribution is expected to increase dramatically over the next several years. The UDC-DBU is an excellent choice for applications of this type.

The UDC-DBU input port accepts a variety of DTE models manufactured by East Coast Datacom, Inc. with support for RS-232, RS-530, RS-422/449, X.21 and even TTL. The units output ports can support up to four receive only terminals simultaneously for either RS-232 or balanced V.11 on RJ-45 connectors.

The UDC-DBU’s master port has a DB-25 female connector. The sub-channels are also DB-25 female connectors.

The UDC-DBU continuously broadcasts receive data and receive timing signals from the data source to the 3 output terminal ports.

The UDC-DBU is housed in a sturdy aluminum enclosure and is supplied with an internal linear power supply. The unit has a 110/120 VAC rotary select switch located on the rear of the housing. The unit can operate on standard power found in all countries.

The UDC-DBU has a three year warranty and a 24 hour turnaround on warranty repairs.

FEATUERES / BENEFITS

- Interface(s) - Input Port: RS-232, RS-530, RS422, X.21, V.35 Output Port: RS-232 or V.11 balanced
- Data Rates - Up to 20Mbps
- Input Port: Serial Data Interface cards are Interchangeable
- Supports Synchronous or Asynchronous Data
- Ideal for V-SAT Data/Clock Broadcasting
- Timing - External from attached DCE
- Status LED’s for Input and Outputs
- 110/220VAC switch selectable or DC Power for -48VDC
- UL, CSA and CE Approved, RoHS
- Sturdy Aluminum Enclosure

The UDC-DBU Data Broadcast Unit supports RS-232, RS-530, RS-422/449, X.21, V.35, HSSI, LVDS.
### Specifications

**Application**
Allows a single serial Input Port for Data, Clock and a optional Control Signal to be split to four output ports for either RS-232 or balanced V.11

**Capacity**
One Input Port and four output ports

**Serial Data Interface**
Available in RS-232, V.35, RS-530, RS-422/449, X.21, HSSI, TTL and EIA-644(LVDS),

**Data Rates**
Up to 20Mbps

**Data Format**
Synchronous or Asynchronous Data Transparent at all Data Rates

**Indicators**
POWER, TXD, RXD, TXC, RXC, RTS, CTS, DTR, DCD

**Surge Protection**
Main power supply

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

DC Voltage, Input Range of -36 to -72vdc Current Draw at 48vdc: 75ma @ 3.6watts

**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 Standalone**
Height ...... 1.75 inches (4.44 cm)
Width ........ 9.00 inches (22.86 cm)
Length ...... 9.00 inches (22.86 cm)

**Dimensions Rackmount**
Height ...... 1.75 inches (4.44 cm)
Width ....... 17.00 inches (43.18 cm)
Length ...... 9.00 inches (22.86 cm)

**Weight**
4.50 pounds (2.1 Kg)

**Warranty**
Three Years, Return to Factory

### Ordering Information

**RS-232 Output Ports**
Standalone Part #: 186000, Model: UDC-DBU_232
Description: UDC-DBU, Standalone 4-Port RS-232

1U Rackmount Part #: 213000, Model: UDC-DBU_RM
Description: UDC-DBU, 1U Rackmount 4-Port RS-232

**V.11 Output Ports**
Standalone Part #: 220000, Model: UDC-DBU_V11
Description: UDC-DBU, Standalone 4-Port V.11

1U Rackmount Part #: 221000, Model: UDC-DBU_RM
Description: UDC-DBU, 1U Rackmount 4-Port V.11

**Optional DC Supply**
Part Number: 184018
Model: UDC-DC -36 to -72 DC Power Supply

**Input Port Serial Interface**
Select, One Card below for your order

<table>
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<tr>
<th>PART NUMBER</th>
<th>SERIAL CARD DESCRIPTION</th>
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<tbody>
<tr>
<td>175045</td>
<td>EIA-644(LVDS) DTE I/M</td>
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<td>151043</td>
<td>HSSI DTE I/M</td>
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<td>RS-232 DTE I/M</td>
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<td>129057</td>
<td>TTL I/M</td>
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**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

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