

UDC-IC

RS-232 to RS-485 INTERFACE CONVERTER



FEATURES / BENEFITS

- ✓ Interface – RS-232 and RS-485, DCE or DTE, Male or Female Gender Connectors
- ✓ Data Rates - Up to 128Kbps
- ✓ Supports Synchronous or Asynchronous Data
- ✓ Transparent to Data
- ✓ Bi-Directional Transmission
- ✓ Serial Data Interface cards are Interchangeable and any combination of DCE-to-DTE may be utilized
- ✓ Control Signals may be Forced on a per Port Basis
- ✓ Timing - External from attached DCE
- ✓ Status LED's for each Serial Port and Signal
- ✓ 110/220VAC switch selectable or DC Power for -48VDC
- ✓ UL, CSA and CE Approved, RoHS
- ✓ Sturdy Aluminum Enclosure

DESCRIPTION

The UDC-IC is designed to provide signal level conversion between RS-232 and RS-485 equipment. The unit supports data rates up to 128Kbps.

The UDC-IC has two TTL level interfaces for connecting each data interface. The unit is shipped with any two user specified interfaces included in the price. Additional data interfaces are sold separately.

The individual data interfaces are available in DCE or DTE formats. Each data interface has the ability to force commonly used control signals such as RTS, CTS, DSR, DTR, Ring Indicate, Control and Indicate.

The data interfaces may be mix and matched in any combination. Installation is fast and simple by plugging the DTE interface card into Port B and the DCE interface card into Port A. In all installations, Port B will always provide timing to Port A.

The UDC-IC has status LED's for each attached data interface which allows the user to visually confirm the presence of control signals.

The UDC-IC utilizes state of the art digital CMOS technology to provide a feature filled product at a very affordable price.

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

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

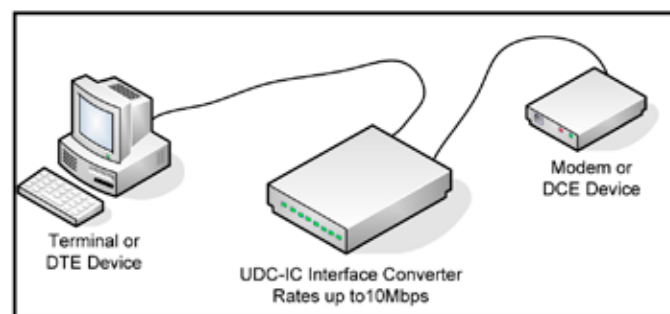


Figure 1 - TYPICAL APPLICATION

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SPECIFICATIONS

Application

Allows interconnection of a DCE and a DTE device which have different data interfaces, converting signal levels and the physical data interface

Capacity

One DCE and one DTE

Serial Data Interface

EIA RS-232 and RS485

Data Format

Synchronous or Asynchronous
Data Transparent at all Data Rates

Data Rates

Up to 128Kbps

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

Height 1.75 inches (4.44 cm)
Width 9.00 inches (20.86 cm)
Length 9.00 inches (20.86 cm)

Weight

2 pounds (0.914Kg)

Warranty

Three Years, Return To Factory

Regulatory Approvals

UL 60950-1:2003, CAN/CSA-C22.2 No. 60950-1:2003FCC Part 15, EN55022:2006, ICES-003, Class A

ORDERING INFORMATION

Main Unit Part Number: 190000

Model: UDC-IC

Description: UDC-IC Interface Converter, 110/220VAC

Serial Interface Cards, **Two Cards Required**

Per UDC-IC, may be the same card twice or any combination..

| PART NUMBER | SERIAL CARD DESCRIPTION |
|-------------|-------------------------|
| 129014 | RS-232 DCE I/M |
| 129032 | RS-232 DTE I/M |
| 129010 | V.35 DCE I/M |
| 129028 | V.35 DTE I/M |
| 129011 | RS-530 DCE I/M |
| 129029 | RS-530 DTE I/M |
| 129012 | RS-422 DCE I/M |
| 129030 | RS-422 DTE I/M |
| 129013 | X.21 DCE I/M |
| 129031 | X.21 DTE I/M |
| 129057 | TTL I/M |
| 129070 | RS-485 I/M |
| 129080 | Current Loop |

Optional DC Supply

Part Number: 184018

Model: UDC-DC -36 to -72 DC Power Supply

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, Inc at: support@ecdata.com

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