FEATURES / BENEFITS


√ Data Rates - Up to 10Mbps

√ Serial Data Interface cards are Interchangeable and any combination of DCE-to-DTE may be utilized such as RS-232 to V.35, V.35 to X.21 ect...

√ Supports Synchronous or Asynchronous Data

√ Options for Inverted Data or Clock

√ Control Signals may be Forced on a per Port Basis

√ Timing - Accepts 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

DESCRIPTION

The UDC-IC allows the user to purchase a single product to convert interfaces between any combination of RS-232, RS-422/449, RS-530, V.35, X.21, HSSI, RS-485 TTL and Current Loop. The unit supports data rates up to 10Mbps.

The UDC-IC has two TTL level interfaces for connecting each data interface. The unit is shipped with any two user specified data 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. Options for inverting data, clock and delays for RTS or CTS.

The UDC-IC utilizes state of the art digital CMOS technology to provide a feature filled product at a very affordable price. Our Field Programmable Gate Array (FPGA) design has allowed us to offer this product with a wide selection of data interfaces.

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.
### 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**  

* other interfaces available by special order

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

**Inversion Option**  
Data Inversion or Clock Inversion

**Data Rates**  
Up to 10Mbps

**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 .........32º to 122º F (0º to 50º 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, 2nd Ed 2007; CAN/CSA 22.2 No. 60950-1-07; EN 60950-1:2006; EN 55022:2006; FCC Pt 15/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, pick one DCE and one DTE card.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SERIAL CARD DESCRIPTION</th>
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<tbody>
<tr>
<td>129014</td>
<td>RS-232 DCE I/M</td>
</tr>
<tr>
<td>129032</td>
<td>RS-232 DTE I/M</td>
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<tr>
<td>129010</td>
<td>V.35 DCE I/M</td>
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<tr>
<td>129028</td>
<td>V.35 DTE I/M</td>
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<td>129011</td>
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<td>129013</td>
<td>X.21 DCE I/M</td>
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<td>129031</td>
<td>X.21 DTE I/M</td>
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<td>129057</td>
<td>TTL I/M</td>
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<td>129070</td>
<td>RS-485 I/M</td>
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<tr>
<td>129080</td>
<td>Current Loop</td>
</tr>
</tbody>
</table>

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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