Features

· Four RS-232/422/485 Serial channels

· Individual port interface selection

· Auto RTS control for RS-485

· DOS, Linux, Windows 95/98/NT/ 2000 support

· 16C850 UART w/128-byte FIFOs

· Compatible w/ 16550 & 16650

· Standard Baud Rates up to 460.8kbps

· PCI specification 2.1 compliant (seen over bridge)

· DB9 Male connectors with included quad cable

· Auto IRQ & PCI I/O address selection

Support

· Superior pre-sales and post-sales technical support

· All products carry a two year warranty

Description

The new UC232PCI/4-85 adapter is the fastest, most versatile, four port asynchronous serial interface in the industry that can be configured for either RS-232, RS-422 or RS-485. The UC232PCI/4-85, with onboard selection, needs no external panel to configure individually either RS-232, RS-422 or RS-485 in any combination. The UC232PCI/4-85, when configured for RS-485, has automated RTS control which allows the board to be plug and play under Windows applications.

The advanced UC232PCI/4-85 features full compatibility with standard 16C550 and 16C650 UARTs, but provides extraordinary 128-byte receive and transmit FIFOs for buffering. This buffering is extremely important when working with high-overhead operating systems such as Windows 2000, NT and Windows 98 (drivers supplied). The extra-deep FIFOs prevent data loss due to overrun and dramatically improve data through-put in all applications when using all four ports.

Software examples and drivers are supplied for Windows NT and Windows 95/98/2000. These drivers allow the board to be "just another com port" in the system. The UC232PCI/4-85 also comes with manual and software CD which contains Support for non-Microsoft OS such as LINUX and QNX.

The UC232PCI/4-85 is a switchless design and relies on the BIOS plug-and-play functionality to determine address ranges and IRQ settings. On board jumper blocks provide for individual setting of either RS-232 or RS-422 and RS-485 driver selection on each port. On board switches allow for mode selection of the RS-485 ports. A quad cable is include with board that breaks out into four standard DB9 male connectors.

www.icsadvent.com
800-523-2320

Specifications

Number of Ports Serial
  4 RS-232, RS-422 or RS-485
UART
  Type 16C864 serial
Throughput
  Serial- Maximum 460Kbps
I/O Addressing
  Plug -n-Play Auto selection
Interrupts
   Auto selects 1 interrupt per card on PCI
Bus Interface
  PCI, PCI Specification 2.1, works past PCI
    bridge in Plug-n-Play mode.
Connectors
  Quad cable with four 9-pin DB male
    connectors
Operation temperatures
  0 ° - 50 °C
Storage temperature
  -20 ° to 70 °C
Humidity
  10 to 90% (non-condensing)

MTBF
  Greater than 150,000 hours (calculated)
Power
  +5VDC   620mA (Typical)
  +12VDC 60mA
  -12VDC   100mA
Board Dimensions
  Length   6.5-inch (16.51cm)
  Height including Goldfingers 4.2-inch
    (10.66cm)
  Height excluding Goldfingers 3.875-inch
    (9.841cm)
Certifications
  FCC Class A (47 CFR Part 15, Subpart B)
  UL 1950, 2nd edition 1993
  CE Conformity with:
    EU EMC Directive 89/336/EEC
    EU Low Voltage Directive 72/23/EEC
OS Support
  Dos, Linux, Windows 98, Me, NT, 2000

Ordering Guide
UC232PCI/4-85
  Board, shielded quad cable, software &
    manual CDs

Connector Pin Assignments			
RS-422/485 (DB 9 Male)			
Signal	Name	Pin #	Mode
GND	Ground	5	
TX +	Transmit Data Positive	4	Output
TX-	Transmit Data Negative	3	Output
RTS+	Request To Send Positive	6	Output
RTS-	Request To Send Negative	7	Output
RX+	Receive Data Positive	1	Input
RX-	Receive Data Negative	2	Input
CTS+	Clear To Send Positive	9	Input
CTS-	Clear To Send Negative	8	Input
DB-9 RS-232 (DB-9 Male)			
Signal	Name	Pin #	Mode
GND	Ground	5	
TD	Transmit Data	3	Output
RTS	Request To Send	7	Output
DTR	Data Terminal Ready	4	Output
RD	Receive Data	2	Input
CTS	Clear To Send	8	Input
DSR	Data Set Ready	6	Input
DCD	Data Carrier Detect	1	Input
RI	Ring Indicator	9	Input

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