DATASHEET

Four-Port DeviceNet™ to ASCII Gateway
W5-JDC4

The Four-Port DeviceNet™ to ASCII gateway allows you to connect and integrate ASCII devices into a Control system through a DeviceNet network. This gateway functions as a DeviceNet adapter and supports connectivity to a wide variety of serial ASCII devices through the four RS-232 ports. The gateway is a general-purpose interface that exchanges data between ASCII devices and a DeviceNet scanner. This flexible gateway can be used in many applications where ASCII data is needed since each application port can be individually configured. Further application flexibility is attained by not interpreting any of the data being exchanged, which means that data can be of any nature or definition.

DeviceNet Features:
- Meets ODVA DeviceNet specification
- 2 micro DeviceNet connectors – 1 male and 1 female
- Panel mount
- Powered from DeviceNet network
- Standard DeviceNet module and network status LEDs
- Address selection via DIP switches
- Communications Device Profile 12
- Autobaud operation
- Supports Polled I/O, Cyclic I/O, Change-of-State (COS), and Explicit messaging

ASCII Features:
- 4 DB9 male RS-232 ports
- Software Configurable Parameters
- Baud rates of up to 115.2k baud
- Supports ASCII string lengths of up to 128 bytes per port
- Transmit and receive LED's for each port
- Ability to pad the end of a message for fixed length DeviceNet Scanners
- Ability to specify the character to use for padding
- Byte swapping
- Supports configurable Start and Stop delimiters
- Transaction header or data only mode option
- Master/slave handshake option

Hardware Specifications

Specification	Description
Serial Baud Rate Selection	Rotary Switch or Software (1200 through 115.2k baud)
Cable Connection	**Serial**: 4 ports, 3-wire RS-232 DB-9 (male) **DeviceNet**: 2 ports (1 male and 1 female that are connected internally), 5-pin standard micro (M12) connectors
LED Indicators	MS Module Status: green/red bi-color NS Network Status: green/red bi-color RX(serial ports 1-4): green TX(serial ports 1-4): green
Maximum Power	Network Isolation: 500 Vdc Current: 340 mA @ 11 Vdc to 150 mA @ 25 Vdc Unregulated Power Supply Power: 3.75 W
Dimensions	Length: 7" Width: 4.25" Height: 1.85" (to the top of the connectors)
Operating Temp	0 ºC to 60 ºC
Humidity	Up to 95% RH, with no condensation

Ordering Information

W5-JDC4

4 Port DeviceNet™ to ASCII Serial Gateway

How to Contact Us: Sales and Support
Sales and Technical Support for this product are provided by ProSoft Technology. Contact our worldwide Sales or Technical Support teams directly by phone or email:

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