AS01366-0x

DEVICENET™ SERIAL GATEWAYS

The AS01366-0x is a compact RS232 to DeviceNet serial gateway. The unit is housed in a 2½" x 3¼" plastic housing with mounting tabs. A 5-pin micro connector provides the DeviceNet interface and a 9-pin D connector provides the RS232 interface. Supplied DeviceNet power is conditioned by a loss-of-ground protection and the RS232 serial channel is fully isolated from DeviceNet power.

The AS01366-0x may be used to interface peripheral devices to a DeviceNet system. The RS232 serial stream is internally buffered, allowing a Master node to send and receive data using standard DeviceNet poll, or explicit messaging.

DeviceNet™ Model

AS01366-0x provides advanced processing features over the CDN466-5 including parsing of complex serial packet and data type conversion. The AS01366-0x can process serial packets of up to 128 data bytes.

Features & Benefits

- Quickly connects any serial device to DeviceNet
- Powered directly from DeviceNet 11 - 28 VDC, no external supply required
- Fully isolated DeviceNet interface eliminating GND loop issues
- Support Polled I/O and Explicit Messaging
- Fully configurable serial port connects to almost any serial device

Applications

- Barcode Scanner
- Vision Systems
- Weigh Scales
- Power Supplies
- Operator Interfaces
- Message Displays
- Intelligent Field Sensors and Actuators
- ASCII Serial Equipments

Specifications and Ordering Information

DeviceNet Interface

Data Rate	125K, 250K, 500K bps. Rotary switches or SW selectable
MacID	0-63. Rotary switches or SW selectable
Power Supply	11-28 VDC, 200mA max. Full protection
Loss of GND	yes
Reversed Polarity	-30VDC
CAN Signal Level	ISO11898
Connector	5-pin male microconnector
Mode	DeviceNet Group 2 Only Slave
I/O Messaging	Poll, Explicit
Input Message Size	2 to 130 bytes (2 overhead, 0-128 data) SW selectable
Output Message Size	2 to 130 bytes (2 overhead, 0-128 data) SW selectable

RS232

Data Rate	300, 600, 1200, 2400, 4800, 9600, 19200. Rotary switches or SW selectable
Parity	0-63. Rotary switches or SW selectable
Data bits	8 data bits with no parity. 7 data bits with parity
Flow Control	RTS/CTS, XON/XOFF, None (SW selectable)
Handshake	SW selectable handshake
TX Buffer Size	128 bytes
RX Buffer Size	128 bytes
Isolation	500Volts
ESD Protection	±10kV
Short Circuit	Indefinite

Environmental

Temperature	0-50°C
Size	3.25" x 2.37" x 1.08"
Mounting	½" tab, 3/16 diameter Mftg Hole

Ordering Code Example: AS01366-XX — DeviceNet to Serial Gateway

DeviceNet Connector

Pin	Function
1	Drain
2	BUS +
3	BUS
4	CAN H
5	CAN L

Serial Connector

Pin	Function
1	N.C.
2	Receive Data
3	Transmit Data
4	DTR/DTS Loopback to Pin 6
5	Ground
6	DTR/DTS Loopback to Pin 4
7	Request to Send
8	Clear to Send
9	N.C.

PinOuts

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