Automation & Control Solutions

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AS02366-0x

PROFIBUS® TO SERIAL GATEWAY

The AS02366 is a compact RS232 to Profibus serial gateway. The unit is housed in a 2½" x 3¼" plastic housing with mounting tabs. A standard DB9-Female connector provides the Profibus interface and a DB9-Male connector provides the RS232 interface.

The Profibus channel is fully isolated from the supplied power. The power is conditioned by a loss-of-ground protection circuit.

The AS02366 maybe used to interface peripheral serial devices to Profibus system. The RS232 serial stream is internally buffered allowing a Master node to send and receive data using standard Profibus messaging.

The AS02366 provides a fully buffered serial interface between Profibus and peripheral devices. Internal FIFO's, buffer up to 255 bytes for both receive and transmit data, easing the interface for slower RS232 based devices. Hardware or software flow control is supported.

Features & Benefits

- Fully isolated Profibus channels
- Powered from 11-28 VDC supply
- Rotary hex switches for unit node address
- 2 Bi-Color LEDs for module status
- 2 Bi-Color LEDs for serial channel status

Applications

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

Specifications and Ordering Information

Profibus Interface	
Power	11-28 VDC @50mA
Loss of Ground	Yes
Reversed Polarity	-30VDC
Signal Level	RS485
Ipwr	mA at 24 Vdc
RS232 Interface	
Isolation	500 Volts
ESD Protection	±10kV
Overload Protection	±30V
Short Circuit	Indefinite
Output Level	±7.9 Volts typical
Data Size	7/8 bits (SW configuration)
Parity	Even/Odd/None (SW configuration)
Stop Bit	1/2 SW configuration
Data Rate	300, 1220, 2400, 4800, 9600, 19200 (Rotary switched or SW selected)
Flow Control	None, RTC/CTS, X-ON/X-OFF (SW configuration)
Environmental	
Temperature	0 - 50°C
Size	3.25" x 2.37" x 1.08"
Mounting	½" tab, 3/16" diameter mounting hole

Ordering Code Example: AS02366-0x — Profibus to Serial Gateway

ProfiBus Connector
(DB-9 Female)

Pin	Function
1	NC
2	NC
3	B-line
4	RTS
5	GND (Iso.)
6	+5V (Iso.)
7	NC
8	A-line
9	NC

RS232 Connector
(DB-9 Male)

Pin	Function
1	NC
2	Receive Data
3	Transmit Data
4	DTR/DTS Loopback to Pin 6
5	Ground
6	DTR/DTS Loopback to Pin 4
7	RTS
8	CTS
9	Power (11 - 28VDC)

PinOuts

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