

- Fully isolated Profibus channel
- Powered from 11-28 Vdc power
- Rotary MacId and Baud rate switches
- Rotary Serial Channel Baud Rate switch
- 2 BI-color LED's for Module status
- 2 BI-color LED's for serial channel status
- Selectable Serial Baud Rate (300-57,600 kbaud)

Description

The PFB366 is a compact RS232 to Profibus serial gateway. The unit is housed in a 2 ½ X 3 ¼ plastic housing with mounting tabs. A 5 pin micro connector provides the Profibus interface and a 9 pin D connector provides the RS232 interface. The Profibus channel is fully isolated from the supplied power.

The PFB366 may be used to interface peripheral devices to a Profibus system. The RS232 serial stream is internally buffered, allowing a Master node to send and receive data using standard Profibus messaging.

The power is conditioned by a loss-of-ground protection circuit and applied to a non-isolated DC-DC converter to provide 5 volts @ 500 mA. A Newport NML0505S isolated DC-DC converter to provide power to the Profibus channel.

Profibus Model

PFB366 provides a fully buffered serial interface between Profibus and peripheral devices. Internal FIFO's, buffer up to 1 Kbytes of receive and transmit data, easing the interface to slower RS232 based devices. Hardware or software flow control is supported.

Profibus Connector (5 pin MALE micro connector)

PIN	FUNCTION
1	Drain
2	BUS +
3	BUS -
4	Opt. A-line
5	Opt. B-line

RS232 Connector (DB-9 Male Connector)

PIN	FUNCTION	PIN	FUNCTION
1	n.c.	6	n.c.
2	Receive Data	7	Request to Send
3	Transmit Data	8	Clear to Send
4	n.c.	9	n.c.
5	Ground		