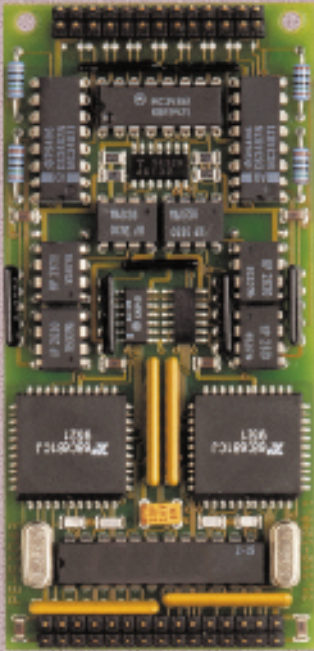




**MODPACK  
ANALOG &  
DIGITAL  
I/O**

# PB-SIO4A

## Quad Asynchronous High-Speed RS422 or RS485 MODPACK



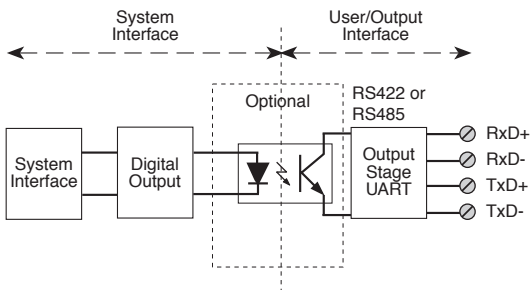
### Characteristics

Function:	4 (optoisolated) RS422 or RS485 ports with RxD pair and TxD pair of signals; configurable line termination together with pull-up/down resistors. Configurable 2-wire (half-duplex) or 4-wire (full-duplex) mode. Control of line driver enable by internal RTS
Controller:	2 x XR68C681
Counter/Timer:	Two 16-bit (one per DUART)
Transfer Rates*:	Asynchronous up to 115.2 kBaud
Data Format:	Programmable
Data Bits:	5 .. 8
Parity:	odd, even, none or forced
Stop Bits:	1, 1.5 or 2
Programmable Channel Modes:	Normal (full-duplex); Automatic echo Local loopback; Remote loopback

### Common

Isolation:	500V DC between I/O and system
Power Req.:	+5V DC ( $\pm 5\%$ ), 400mA typ.
Temp. Ranges:	0°C to +70°C -40°C to +85°C (opt. E2) -55°C to +85°C (storage)
Humidity:	5% to 95% non-condensing

\*Transfer rate is given as the theoretical hardware capability. The maximum effective throughput under operating system control may depend on the total system load and host CPU performance.



A high-speed 4 channel (optoisolated) asynchronous full-duplex RS422 or RS485 piggyback for use with the PEP range of dedicated carrier boards.

Optional optoisolation separates the RS422 or RS485 signals from the system and requires an external isolated 5V DC supply through the front-panel connector of the carrier board.

Product	Description	Order No.
PB-SIO4A	Quad asynchronous serial RS485 interface piggyback	<b>3091</b>
PB-SIO4A	Quad asynchronous serial RS422 interface piggyback	<b>3098</b>
PB-SIO4A	Optoisolated quad asynchronous serial RS485 interface piggyback	<b>3092</b>
PB-SIO4A	Optoisolated quad asynchronous serial RS422 interface piggyback	<b>3099</b>

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