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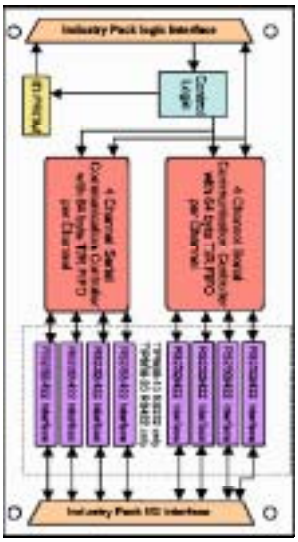
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IP-OCTALPLUSxxx and IP-OCTPLxxx-ET

8 Channels of Serial Interface

Features

- Interface according to IndustryPack specification
- Identification-PROM supports auto-configuration
- Single Size IndustryPack
- 8 channels of serial interface
- Support of RxD, TxD, RTS, CTS, GND per channel for IP-OCTALPLUS232/TTL and IP-OCTPL232/TTL-ET; support of RXD+/-, TXD+/- and GND for IP-OCTALPLUS422 and IP-OCTPL422-ET
- Programmable baud rates up to 115.2KBaud for IP-OCTALPLUS232 and IP-OCTPL232-ET; and up to 460.8KBaud for IP-OCTPLUSTTL/422 and IP-OCTPLTTL/422-ET
- 64 byte transmit FIFO per channel
- 64 byte receive FIFO per channel
- ESD protected RS232 and RS422 interface (up to +/- 15KV according to IEC 1000-4-2)





IP-OCTALPLUS232

IP-OCTALPLUS interfaces, IP-OCTALPLUSxxx and IP-OCTPLxxx-ET, are IndustryPack® compatible modules providing eight channels of high performance serial interface. Six IP-OCTALPLUS versions are available; -ET models support extended temperature ranges. The IP-OCTALPLUS232 and IP-OCTPL232-ET provide RS232 interfaces. The IP-OCTALPLUSTTL and IP-OCTPLTTL-ET offer TTL level interfaces. IP-OCTALPLUS422 and IP-OCT422-ET provide RS422 interfaces. Each channel has a 64 byte transmit FIFO and a 64 byte receive FIFO to significantly reduce the overhead required to provide data to and get data from the transmitters and receivers. The FIFO trigger levels are programmable.

The IP-OCTALPLUS232/TTL and IP-OCTPL232/TTL-ET support RxD, TxD, RTS, CTS and GND for each of the eight RS232 channels. IP-OCTALPLUS422 and IP-OCTPL422-ET support RxD+/-, TxD+/- and GND for each of the eight RS422 channels.

The baud rate is individually programmable up to 115.2kbaud for the IP-OCTALPLUS232 and IP-OCTPL232-ET and up to 460.8kbaud for the IP-OCTALPLUSTTL/422 and IP-OCTPLTTL/422-ET. The IP-OCTALPLUS232/422 and IP-OCTPL232/422-ET use ESD protected transceivers (up to +/-15KV according to IEC 1000-4-2).

The transition module XM-OCTAL-6U-D provides 8 DB-25 connectors mounted in a 6U 8TE front panel. The XM-OCTAL-6U-RJ8 provides 8 RJ45 connectors mounted in a 6U 4TE front panel. The XM-OCTAL6URJ16 provides sixteen 4-pin RJ connectors mounted in a 6U 4TE front panel.

Specifications

Form Factor	Singlewide IndustryPack
Logic Interface	IndustryPack® Logic Interface
Interface	50-conductor flat cable
Environmental	IP-OCTALPLUSxxx Operating temperature: 0° to +70°C IP-OCTPLxxx-ET Operating temperature: -40° to +85°C Humidity: 5 to 95% non-condensing Storage: -45 to +125°C

Ordering Information

IP-OCTALPLUS232	8 channel serial RS232
IP-OCTALPLUSTTL	8 channel serial TTL
IP-OCTALPLUS422	8 channel serial RS422
IP-OCTPL232-ET	8 channel serial RS232, extended temperature
IP-OCTPLTTL-ET	8 channel serial TTL, extended temperature
IP-OCTPL422-ET	8 channel serial RS422, extended temperature
XM-OCTAL-6U-D	Transition module provides 8 DB-25 connectors in front panel
XM-OCTAL-6U-RJ8	Transition module provides 8 RJ45 connectors in front panel
XM-OCTAL6URJ16	Transition module provides sixteen 4-pin RJ connectors in front panel
TCD642866	Software support for VxWorks operating system
TCD662866	Software support for Windows NT 4.0 operating system
TCD672866	Software support for LynxOS operating system
TCD682866	Software support for Linux operating system

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