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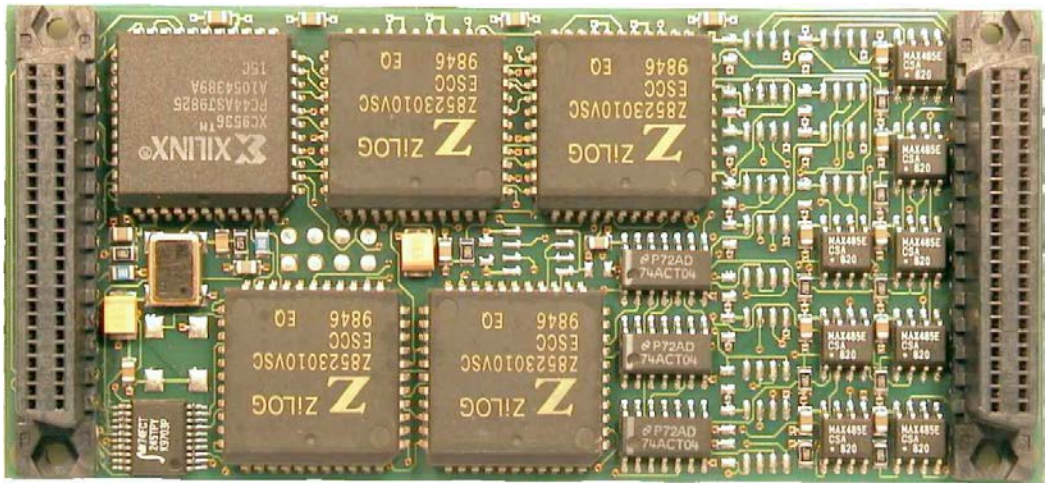
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The Embedded I/O Company

TIP867 8 Channel Serial Interface RS485



Application Information

The TIP867 is an IndustryPack® compatible module and offers eight channels of high performance RS485 serial interface. Each channel has a 4 byte transmit FIFO and an 8 byte receive FIFO to significantly reduce the overhead required to provide data to and get data from the transmitters and receivers.

The TIP867 supports Dx+, Dx- and GND for each of the eight RS485 channels. The baud rate is individually programmable up to 2 Mbps. The TIP867 uses ESD protected transceivers (up to +/-15KV according to IEC 1000-4-2).

All transition modules of the TIP866 series are well suited for the TIP867. The transition module TIP866-TM-10R provides 8 DB25 connectors mounted in a 6U 8TE front panel. The transition module TIP866-TM-20R offers 8 RJ45 connectors mounted in a 6U 4TE front panel. The transition module TIP866-TM-30R provides 16 4-pin RJ connectors mounted in a 6U 4TE front panel.

Serial line driver software TIP867-SW-xx is available (support only asynchronous protocols).

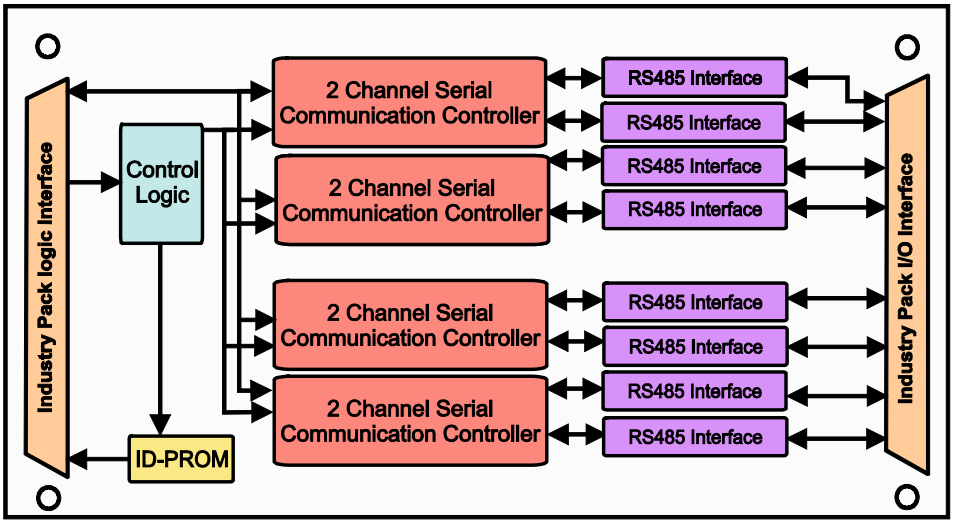
Technical Information

- Interface according to IndustryPack specification
- Identification-PROM supports auto-configuration
- Single Size IndustryPack
- 8 channels RS485 serial interface
- Support of Dx+, Dx- and GND per channel
- Programmable baud rates to 2 Mbps
- ESD protected RS485 interface (up to +/- 15KV to IEC1000-4-2)
- Operating temperature 0°C to +70°C

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Order Information

RoHS Compliant

TIP867-10R	8 Channel Serial RS485 IP (Dx+/- and GND per channel)
TIP867-20R	8 Channel Serial RS485 IP (Dx+/- , CLK+/- and GND per channel)
TIP866-TM-10R	8 Channel Transition Module (DB25)
TIP866-TM-20R	8 Channel Transition Module (RJ45)
TIP866-TM-30R	16 Channel Transition Module (4-pin RJ connectors)
TIP866-IO-10R	Mounting Rail I/O Module

For the availability of non-RoHS compliant (leaded solder) products please contact TEWS.

Documentation

TIP867-DOC	User Manual for TIP867
TIP866-TM-10-DOC	User Manual for TIP866-TM-10R-DOC
TIP866-TM-20-DOC	User Manual for TIP866-TM-20R-DOC
TIP866-TM-30-DOC	User Manual for TIP866-TM-30R-DOC
TIP866-IO-10-DOC	User Manual for TIP866-IO-10R-DOC

Software

TIP867-SW-42	VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP867-SW-65	Windows Software Support
TIP867-SW-82	Linux Software Support
TIP867-SW-95	QNX Software Support

For other operating systems please contact TEWS.

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