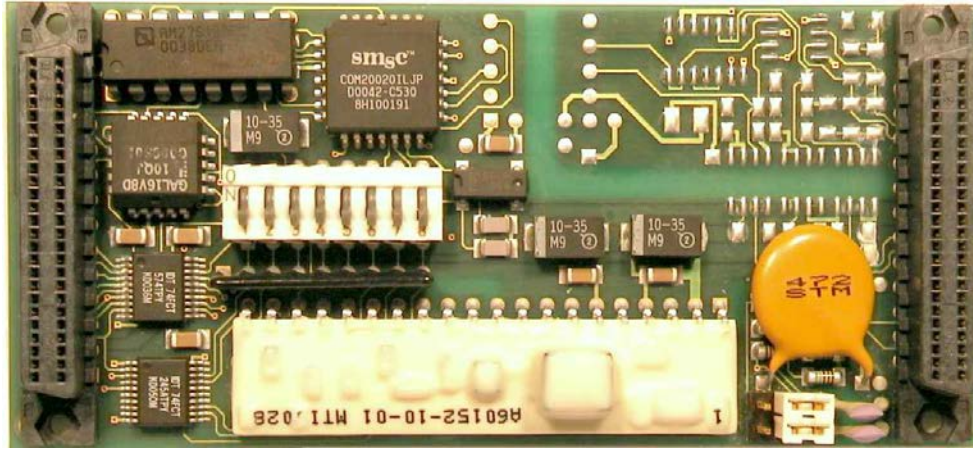


TIP815 ARCNET Controller



TIP815-11R

Application Information

The TIP815 is an IndustryPack® compatible module with a complete ARCNET interface using the controller COM20020. The COM20020 contains the ARCNET controller with transceiver and Dual Port RAM. Various network topologies are supported (Star, Tree, Bus).

The TIP815 is ideal suited for industrial / factory automation and automotive applications.

Two interface types of the TIP815 are available: the TIP815-10R/-11R offer the traditional isolated hybrid interface and the TIP815-20R/-21R provide an isolated

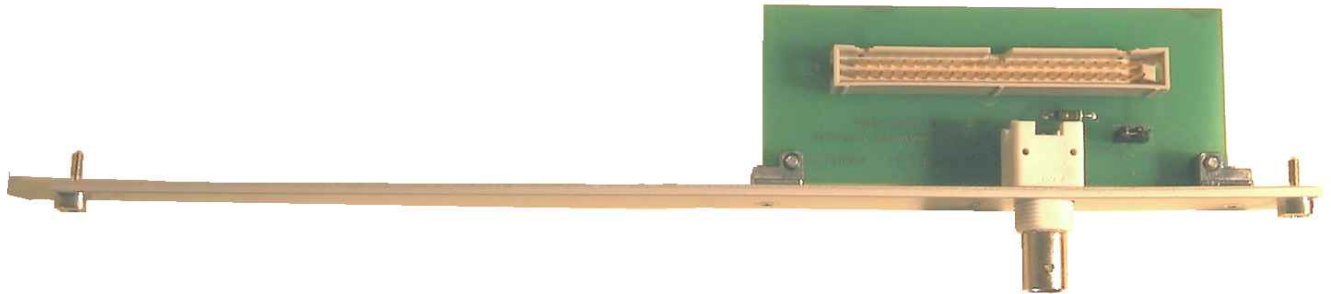
RS485 differential driver interface. Two speed grades of the TIP815 are available: the TIP815-10R/-11R/-20R offer 2.5 Mbps and the TIP815-21R provides 5 Mbps.

The TIP815-TM-10R transition module provides a BNC connector in a 6U front panel and bus termination capabilities.

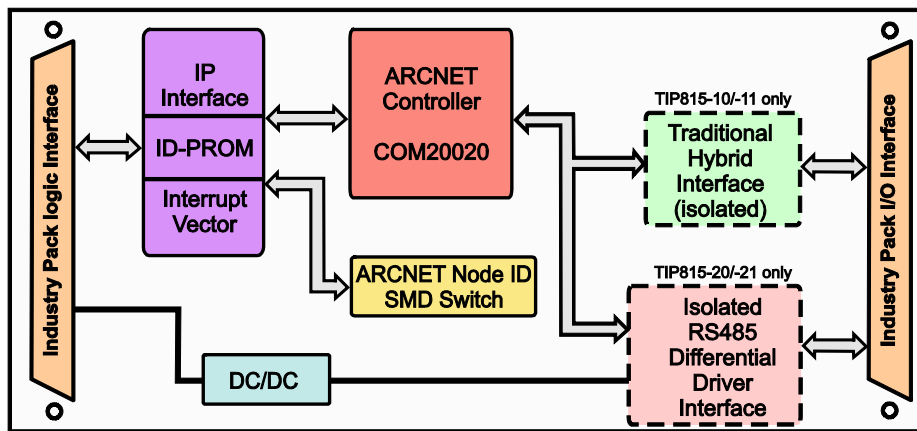
Software support (TIP815-SW-xx) is available for different operating systems.

Technical Information

- Interface according to IndustryPack specification
- Identification-PROM supports auto-configuration
- Single Size IndustryPack
- ARCNET Interface based on COM20020
 - Complete ARCNET Controller with transceiver and Dual Port RAM
 - Ideal for industrial / factory automation and automotive applications
 - Deterministic, 2.5 Mbps (TIP815-10R/-11R/-20R) or 5.0 Mbps (TIP815-21R), Token Passing Protocol
- Improved Diagnostics
- Flexible Media Interface
- Supports various network topologies (star, tree, bus)
- Traditional hybrid Interface (isolated) for long distances (TIP815-10R/-11R only) or isolated RS485 differential driver interface (TIP815-20R/-21R only)



TIP815-TM-10R



Order Information

RoHS Compliant

TIP815-10R	ARCNET Traditional Interface, 20MHz Clock, 2.5 Mbps
TIP815-11R	ARCNET Traditional Interface, 40MHz Clock, 2.5 Mbps
TIP815-20R	ARCNET RS485 Interface, 2.5 Mbps
TIP815-21R	ARCNET RS485 Interface, 5 Mbps

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

Documentation

TIP815-DOC	User Manual
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Software

TIP815-SW-42	VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP815-SW-65	Windows Software Support
TIP815-SW-82	Linux Software Support
TIP815-SW-95	QNX Software Support

For other operating systems please contact TEWS.