

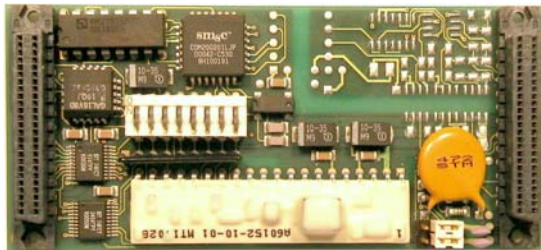
The Embedded I/O Company

TIP815 ARCNET Controller

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

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



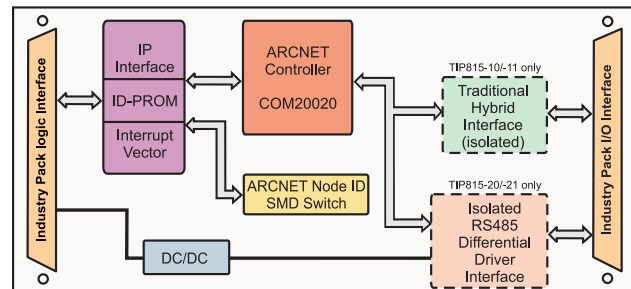
For First-Time-Buyers the Engineering Documentation TIP815-ED is recommended. The Engineering Documentation includes TIP815-DOC, schematics and data sheets.

The TIP815-TM-10 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 (TIP815-10/-11/-20) or 5.0 Mbps (TIP815-21), Token Passing Protocol
 - Improved Diagnostics
 - Flexible Media Interface
 - Supports various network topologies (star, tree, bus)
- Traditional hybrid Interface (isolated) for long distances (TIP815-10/-11 only) or isolated RS485 differential driver interface (TIP815-20/-21 only)



Order Information

RoHS Compliant

TIP815-10R	ARCNET Controller 2.5 Mbps, 20 MHz Clock Source, Traditional (isolated) Hybrid Interface
TIP815-11R	As TIP815-10R, but 40 MHz Clock Source
TIP815-20 R	ARCNET Controller 2.5 Mbps, Isolated RS485 Interface
TIP815-21R	As TIP815-20R but 5.0 Mbps
TIP815-TM-10R	Transition Module provides BNC Connector and Bus Termination

None RoHS Compliant

TIP815-10	None RoHS compliant version of TIP815-10R
TIP815-11	None RoHS compliant version of TIP815-11R
TIP815-20	None RoHS compliant version of TIP815-20R
TIP815-21	None RoHS compliant version of TIP815-21R
TIP815-TM-10	None RoHS compliant version of TIP815-TM-10R

Documentation

TIP815-DOC	User Manual
TIP815-ED	Engineering Documentation, includes TIP815-DOC

Software

TIP815-SW-25	Integrity Software Support
TIP815-SW-42	VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP815-SW-65	Windows XP/XPE/2000 Software Support
TIP815-SW-72	LynxOS Software Support
TIP815-SW-82	LiNux Software Support
TIP815-SW-95	QNX 6 Software Support

For other operating systems please contact TEWS.