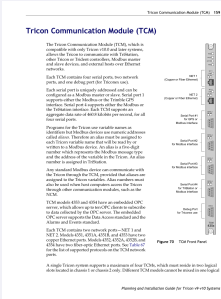


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Triconex 4351

Tricon Communication Module



NETWORK	SERIAL	RATE	SOURCE
2 ports	4 ports	10 or 100 Mbps	9720077-012

Triconex 4351 is a Tricon Communication Module for the Tricon 10.0 generation. It provides two copper Ethernet ports and four RS-232/RS-485 serial ports for the manufacturer-documented controller, host and device connections.

01

VERIFIED PRODUCT PARAMETERS

Supported Tricon version	10.0
Network ports	Two RJ-45 copper ports
Network medium	10/100BaseT twisted pair
Network speed	10 or 100 Mbps
Serial connectors	Four DB-9 ports
Serial electrical interfaces	RS-232 and RS-485
Maximum serial rate per port	115.2 kbps
Aggregate serial throughput	460.8 kbps
Port isolation	500 VDC
TriStation Ethernet assignment	NET 2

Technical values were verified against Invensys 9700077-012, February 2009.

02 ADDITIONAL TECHNICAL DATA

Modbus TCP assignment	NET 2
TSAA Ethernet assignment	NET 2
Embedded OPC server	Not supported
Logic power	Less than 10 W
Module status indicators	Pass, Fault, Active and FIRM

03 SYSTEM ROLE AND APPLICATIONS

This original TCM generation assigns peer communication to NET 1 and TriStation, TSAA and Modbus TCP to NET 2. Preserve these assignments and do not mix 4351 with the later TCM generations prohibited by the manufacturer system rules.

- Use NET 1 for the documented UDP/IP or DLC peer network. Preserve its controller communication role when arranging external host connections on the separate NET 2 interface.
- Connect TriStation through the documented NET 2 assignment. Check the controller generation and network configuration before replacing an original 4351 with a visually similar later module.
- Configure each serial port with its own address and the appropriate Modbus role. Assign the required five-digit aliases to Tricon variables in TriStation before addressing those variables through Modbus.

04 OFFICIAL INSTALLATION FACTS

- Label every communication cable before disconnecting the module.
- Expect communication through the removed TCM to stop; its pair is not a hot spare.
- Undo the retractable fasteners and slide the module out carefully.
- Insert the correct replacement and seat it firmly in the chassis.

05 OFFICIAL DOCUMENTATION

Invensys 9700077-012, February 2009

AMIKON PRODUCT SUPPORT

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