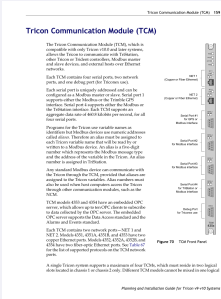


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Triconex 4352B

Tricon Communication Module



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

Triconex 4352B is a fiber-network Tricon Communication Module for Tricon 10.3 and later. It combines two 100 Mbps MT-RJ fiber interfaces with four RS-232/RS-485 serial ports.

01 VERIFIED PRODUCT PARAMETERS

Supported Tricon version	10.3 and later
Network ports	Two MT-RJ fiber ports
Network medium	62.5/125 micrometre multimode fiber
Network speed	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 1 and NET 2

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

02 ADDITIONAL TECHNICAL DATA

Modbus TCP assignment	NET 1 and NET 2
TSAA Ethernet assignment	NET 1 and 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

Use 62.5/125 micrometre multimode fiber meeting the manufacturer cable requirements. This B-generation module supports the documented IP multicast function; it does not include the embedded OPC server assigned to 4353 and 4354.

- Use the specified 62.5/125 micrometre multimode cable and MT-RJ connection. Check the complete optical path against the documented maximum two-kilometre fiber distance.
- Apply the IP multicast capability explicitly assigned to 4352B within the TCM protocol table. Validate network configuration and receiving applications rather than assuming a shared family name provides this capability.
- Use the four serial interfaces for the supported Modbus roles while fiber handles the chosen network services. Check per-port addressing and aggregate serial throughput when several devices are active.

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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