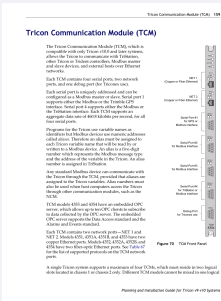


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Triconex 4353

Tricon Communication Module



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

Triconex 4353 is a copper Tricon Communication Module with an embedded OPC server for Tricon 10.3 and later. Its two RJ-45 network ports operate at 100 Mbps, alongside four RS-232/RS-485 serial ports.

01

VERIFIED PRODUCT PARAMETERS

Supported Tricon version	10.3 and later
Network ports	Two RJ-45 copper ports
Network medium	100BaseT twisted pair
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
TSAA Ethernet assignment	NET 1
Embedded OPC server	Supported on NET 2; up to 10 clients
Logic power	Less than 10 W
Module status indicators	Pass, Fault, Active and FIRM

03

SYSTEM ROLE AND APPLICATIONS

The manufacturer assigns embedded OPC to NET 2 and TSAA, Modbus TCP and peer communication to NET 1. The OPC server supports up to ten clients and the documented Data Access and Alarms and Events standards.

- Use NET 2 for applications accessing the embedded OPC server. Observe the ten-client limit and the supported Data Access and Alarms and Events functions.
- Assign TSAA and Modbus TCP host traffic to NET 1 as documented for 4353. Do not copy the two-port Modbus assignment from an earlier TCM generation.
- TriStation is supported on either Ethernet port for this model. Coordinate the engineering connection with the OPC and process-network assignments before controlled maintenance.

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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