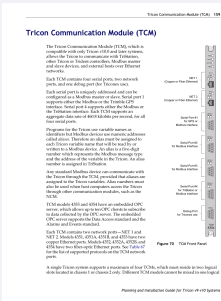


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Triconex 4354

Tricon Communication Module



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

Triconex 4354 is the fiber-network Tricon Communication Module with embedded OPC for Tricon 10.3 and later. It provides two 100 Mbps MT-RJ multimode fiber ports and four DB-9 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
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

NET 2 carries the embedded OPC service while NET 1 carries the specified TSAA, peer and Modbus TCP services. Match the multimode fiber path, permitted chassis location and exact TCM pairing to the installed system.

- Connect the embedded OPC service through NET 2 using the specified multimode optical connection. Verify the client count and supported server functions during application acceptance.
- Use NET 1 for the listed peer and time-synchronization assignments. Preserve the service mapping when replacing a copper module with a separately engineered fiber arrangement.
- Locate the TCM in the Main Chassis or the permitted Chassis 2 arrangement. Review the special communication-cable requirement for Chassis 2 instead of applying ordinary expansion-bus wiring by default.

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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