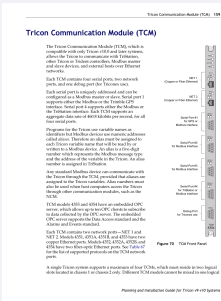


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Triconex 4351A

Tricon Communication Module



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

Triconex 4351A is the copper-network Tricon Communication Module listed for Tricon versions 10.1 through 10.2. Two RJ-45 Ethernet connections and four DB-9 serial connections support the protocol assignments documented for this generation.

01

VERIFIED PRODUCT PARAMETERS

Supported Tricon version	10.1 through 10.2
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 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

TriStation, TSAA and Modbus TCP can use either network port, but the manufacturer does not extend the B-model IP multicast capability to 4351A. Verify exact module generation and system compatibility rather than interpreting the A suffix as interchangeable with other TCMs.

- Use the documented NET 1 or NET 2 TriStation assignment when arranging a supported controller network. Keep DLC-specific services on their prescribed NET 1 interface.
- Connect the configured Modbus TCP application through either network port. Include serial and network participants in the manufacturer limit of sixteen Modbus masters or slaves per Tricon system.
- Read the Pass, Fault, Active and FIRM indications together with network LINK and port transmit or receive indicators. Diagnose the intended connection instead of assuming that a single illuminated LED proves every service is available.

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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