

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8151B

Trusted communications interface module



ETHERNET	REAR PORTS	DIAGNOSTIC	ROLE
Revision dependent	4 isolated serial	Front RS-232	External communications

ICS Triplex T8151B is a Trusted communications interface that handles external data links and reduces the communications workload on the TMR processor. Its documented hardware provides two Ethernet interfaces, four isolated rear serial ports and an isolated front diagnostic connection.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8151B
Ethernet generation	Through rev. B: 10Base2/10BaseT; rev. C onwards: 10BaseT/100BaseT
Rear serial interfaces	2 x RS-232/422/485 plus 2 x RS-422/485; isolated
Front diagnostic interface	1 x isolated RS-232 port
Rear serial board arrangement	Daughter board through rev. B; main board from rev. C
Maximum communications interfaces	4 per Trusted system
Permitted chassis position	Controller or expander chassis I/O slot
Peer-to-peer location	Controller chassis only

02 TECHNICAL DATA

Port access adapter	T8153 Communications Interface Adapter
Diagnostic cable	TC-304-01 maintenance cable
Diagnostic baud rate	19200 baud; applicable firmware scope required
Rear serial baud range	1200 to 115200 baud; applicable firmware scope required
Open Modbus TCP role	Slave only on port 502
RTU master prerequisite	T8122 or T8123 Processor Interface Adapter

03 APPLICATION AND CONFIGURATION

- The early and later T8151B Ethernet generations require different connection checks.
- Protocol services require the firmware scope stated in the manual; older firmware needs its matching issue.
- The adapter, chassis position and controlled communications configuration remain installation-specific.

04 OFFICIAL DOCUMENTATION

ICSTT-RM253X-EN-P | PD-T8151C Issue 26

RM253 PDF p. 15: T8151B revisions; pp. 19-24: installation and protocols; p. 1: firmware scope.

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

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