

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8151

Trusted communications interface module



GENERATION	ETHERNET	REAR PORTS	DIAGNOSTIC
Legacy T8151	10Base2 / 10BaseT	4 isolated serial	Isolated RS-232

ICS Triplex T8151 is an earlier Trusted communications interface that handles external communication services and reduces the communications workload on the TMR processor. The manufacturer version table identifies two Ethernet interfaces, four isolated rear serial ports and an isolated front diagnostic connection.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8151
Ethernet hardware	2 x 10Base2 / 10BaseT; T8151 through revision H
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 on the documented early hardware
Maximum communications interfaces	4 per Trusted system
Permitted chassis position	Controller or expander chassis I/O slot
Peer-to-peer location constraint	Controller chassis only

ICSTT-RM253X-EN-P | PD-T8151C Issue 26. Document issue is not the supplied hardware revision.

02 TECHNICAL DATA

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

03 APPLICATION AND CONFIGURATION

- T8151 through revision H uses the early Ethernet configuration; later 100BaseT data is not transferred.
- The listed protocol services require firmware within the manual scope; older firmware needs its matching issue.
- No exact supplied-unit environmental, packing, origin or direct-substitution claim is made.

04 OFFICIAL DOCUMENTATION

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Legacy version table: PDF p. 15; installation pp. 19-23; protocol services p. 24. Check firmware scope on p. 1.

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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