

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8017

Trusted Peer Communications Software

PEER NETWORKS	DATA BLOCKS	TRANSPORT	PLATFORM
Up to 8	16 / 128 channels	Ethernet subnets	Trusted

T8017 provides peer communication software for exchanging configured data between Trusted controllers through their communications interfaces. Enhanced peer networking supports multiple networks and Ethernet subnets, with simplex or redundant paths selected to match the approved architecture and availability requirements.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8017
Communications interface families	T8150, T8151 or T8151B; applicable release required
Interfaces per controller	Up to 4 for enhanced peer networking
Peer networks per controller	Up to 8
Subnet paths per controller	Up to 8 with the documented interface arrangement
Processor adapter requirement	Compatible T812x adapter; review legacy adapter upgrade requirements

02 TECHNICAL DATA

Network path arrangement	Simplex or redundant Ethernet subnets
Data block sizes	16 or 128 Boolean or analogue channels
Analogue representations	32-bit integer or real
Data integrity mechanism	CRC and sequence checking
Timeout response	Configured fail state or hold-last behavior; process safety time applies

03 APPLICATION AND CONFIGURATION

- Chemical Processing: Continuous Chemical Production and Batch Manufacturing Process Areas.
- Power Generation: Natural Gas Electricity Production and Utility Generation Facilities.
- Oil & Gas: Hydrocarbon Production, Refining and Petroleum Transport Operating Areas.

04 OFFICIAL DOCUMENTATION

[ICSTT-RM454 | PD-T8017 Issue 11, June 2016 | Release 3.6.1 guide](#)

PD-T8017 PDF pp. 11-18: interfaces, subnet arrangement and peer configuration; pp. 20-27: board and data mapping; p. 48: process safety time and timeout checks.

[ICSTT-CT021R | Trusted software certificate | exact listed releases only](#)

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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