

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8111C

Trusted TMR main processor

SUPPLY	PROCESSING	DIAGNOSTIC	POWER
20-32 Vdc	HIFT TMR	Front RS-232	30 W

ICS Triplex T8111C is the conformal-coated Trusted main processor. Three fault containment regions execute the configured program in synchronisation, vote process information and exchange data with analogue and digital modules through the triplicated inter-module communications bus in the controller chassis.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8111C
Backplane supply	20 to 32 Vdc
Power rating	30 W dissipation
Module location	T8100 controller chassis processor position
Architecture	HIFT TMR with three main processor fault containment regions
External connector PL1	48-way DIN41612 E type
Rear serial connections	Two RS-422/485 configurable 2/4-wire ports; one RS-485 2-wire port
Diagnostic connection	Front RS-232; documented diagnostic data rate 19200 bit/s

02 TECHNICAL DATA

Time synchronisation	IRIG-B002 and IRIG-B122; appropriate adapter and configuration required
Retained variables and application	4 KB retained variables; maximum application 960 KB
Processor event buffer	1000 events
Operating temperature	0 to +60 degrees C
Storage temperature	-25 to +70 degrees C
Relative humidity	10-95%, noncondensing
Equipment dimensions	266 x 93 x 303 mm (H x W x D)
Equipment mass	1.89 kg; not shipping gross weight

03 APPLICATION AND CONFIGURATION

- T8111C is a main controller processor, not an expander processor or Ethernet interface. It executes the configured program and exchanges I/O data across the triplicated backplane. Rear communications and time signals require the documented adapter arrangement.
- Check the actual hardware issue, firmware, configured program size and companion processor. The product family name does not establish unrestricted substitution or compatibility with every communications-module revision.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

PD-T8111 Issue 4 | Trusted TMR Processor

PDF p.1: overview; pp.17-19: installation and connections; pp.42-44: indicators; pp.50-51: changeover; pp.53-54: ratings.

PSA 2018-11-001 - verify actual version and redundant configuration

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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