

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8110B

Trusted TMR main processor



SUPPLY	PROCESSING	DIAGNOSTIC	POWER
20-32 Vdc	HIFT TMR	Front RS-232	80 W maximum

ICS Triplex T8110B is the main processing component of a Trusted controller. Its three fault containment regions execute the configured program, process analogue and digital input data and coordinate output updates through the triplicated inter-module communications bus.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8110B
Backplane supply	20 to 32 Vdc
Power rating	80 W maximum load and heat 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 variable storage	4 KB total
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	2.94 kg; not shipping gross weight

03 APPLICATION AND CONFIGURATION

- T8110B 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-T8110B/T8110 Issue 22 | Trusted TMR Processor

PDF p.1: overview; pp.15-17: installation and connections; pp.36-38: indicators; pp.48-49: changeover; pp.51-52: ratings.

PN 2021-02-004 - verify firmware and peer-to-peer 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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