

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8310CX

Trusted TMR expander processor

BACKPLANE	ARCHITECTURE	LOCATION	OPERATION
20-32 Vdc	HIFT TMR	Expander slots	Active / standby

For qualified personnel only. This installation summary is not a substitute for the controlled manufacturer procedure, system safety plan or approved site isolation requirements.

01

BEFORE INSTALLATION

Exact order and series	Record T8310CX, actual series, revision, serial number and approved release.
Chassis position	Use expander processor slots PL1 or PL2; other module positions are prohibited.
Supply and cooling	Check dual backplane feeds, actual series power rating and the approved thermal arrangement.
Cable and keying	Match the double-width cable hood, TC-301 or optical route, and both mechanical keying strips.
Configuration and state	Verify chassis address and I/O Connection table; never remove a module indicating ACTIVE.

02

PREPARATION AND BOUNDARIES

- Qualified personnel must follow the complete manufacturer and site maintenance procedure. Inspect the housing and connectors; do not straighten bent pins or remove the module housing.
- A cable-hood assembly replacement requires system shutdown and vacant associated slots. Hot replacement of a module does not authorize live cable replacement or removal of an active module.

03
INSTALLATION AND COMMISSIONING

01	Record T8310CX, series and revision. Confirm release compatibility and the designated expander processor position.
02	Check chassis addressing, cable seating and the original keying diagram. Both companion keying strips must match.
03	With the authorized procedure in place, open the ejectors, seat the module using the upper and lower fascia and lock both ejectors.
04	Verify Healthy A, B and C indicators and the expected active or standby state before any transfer.
05	For replacement, complete the controlled changeover and confirm the original is STANDBY and the replacement ACTIVE before removal.
06	Verify communication activity, supply status and I/O Connection table information before returning the installation to service.

04
SAFETY AND FINAL CHECKS

- Never remove a module indicating ACTIVE: expansion modules may enter their default shutdown state. Confirm the companion module and approved changeover sequence first.
- A standby module normally shows no red transmit activity. Evaluate its green receive activity, health indicators and diagnostic status together rather than treating absent transmit activity alone as failure.

05
OFFICIAL PROCEDURE

PD-T8310 Issue 15 | Trusted TMR Expander Processor

PDF pp. 1, 12: role and architecture; pp. 13-17, 21: slots, cables and keying; pp. 23-31, 33: operation; p. 37: ratings.

T8000-CT001 - exact CX identity and Series B ratings, PDF page 3

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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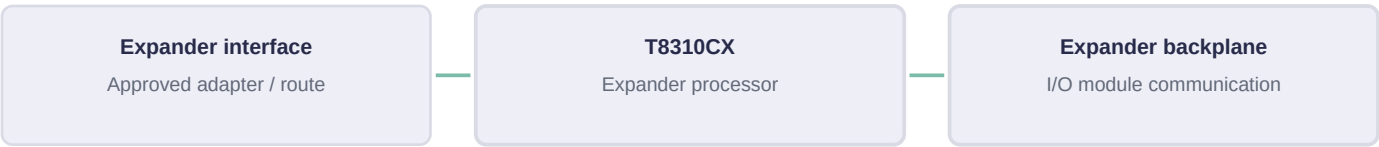
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8310CX | Documented installation context

Original Amikon illustration based on the linked OEM pages. Logical arrangement only; not to scale and not an electrical wiring or manufacturer installation drawing.

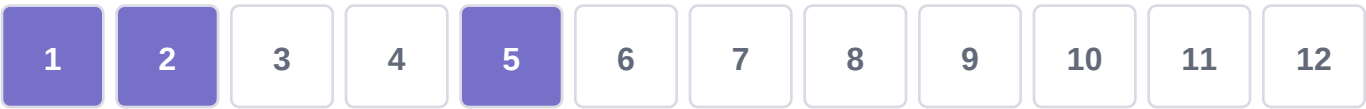
A | EQUIPMENT ARRANGEMENT



Install only in the two dedicated expander processor positions. Their cable hood joins the companion slots; this sketch is not a connector pinout.

Local links use the documented TC-301 route. Optical installations require the matching T8314 units and TC-302 / TC-303 arrangement; verify the complete distance and cable design.

B | MECHANICAL KEY INDEX - NOT AN ELECTRICAL PINOUT



Highlighted mechanical key references: 1, 2, 5. This numbered index does not show connector orientation. Consult the linked manufacturer drawing before fitting.

07 ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Dedicated processor slots and location warning - PDF page 13
- Companion cable hood and expander routes - PDF page 14
- Mechanical polarisation drawing - PDF page 21

If the viewer ignores the page target, enter the stated PDF page manually. Retain the full manufacturer warnings and approved maintenance plan; this reference does not authorize live work.