

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8300C

Trusted expander chassis unit

I/O POSITIONS	PROCESSORS	SUPPLY	CLEARANCE
12 single width	2 positions	20-32 V DC	90 mm

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 identity	Confirm T8300C, chassis version and the approved module population.
Mounting and cooling	Verify the frame or T8380 panel brackets and 90 mm spacing between chassis.
Power arrangement	Check 20-32 V DC feeds, external 20 A fusing and the controlled power drawings.
Slot assignment	Reserve positions 13 and 14 for expander processors; use the twelve designated I/O positions.
Identification	Match IDA, IDB and IDC. Early backplane switch legends may be reversed; use the manual table.

02 PREPARATION AND BOUNDARIES

- Use the approved isolation plan before chassis, backplane or power work. This document does not authorize live chassis replacement.
- Check the mounting, connector bonding and power drawings in the complete manual; the schematic is not an electrical pinout.

03
INSTALLATION AND COMMISSIONING

01	Confirm the exact chassis version, frame alignment, approved slot plan and isolation arrangements.
02	Secure the chassis with the specified M5 x 12 fasteners. For panel mounting, fit the T8380 brackets as instructed.
03	Maintain the specified 90 mm spacing. Fit the fascia ears only after chassis and fan tray alignment is correct.
04	Check cable connector retention and earth tails against the OEM bonding instructions; verify both power feeds.
05	Set matching IDA, IDB and IDC values from the controlled configuration. Check the early switch-legend warning.
06	Guide each module into its assigned position. Complete power, communications and configuration tests before release.

04
SAFETY AND FINAL CHECKS

- Do not service the backplane internally. Investigate unequal identification settings and damaged connectors before commissioning.
- For SmartSlot across chassis, verify version 2 or later and TC-006 referencing. A spare slot alone does not establish compatibility.

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OFFICIAL PROCEDURE

ICSTT-RM265 | PD-T8300 Issue 15

PDF p. 1: overview; pp. 11-16: backplane and connections; p. 17: mounting; p. 19: ratings.

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

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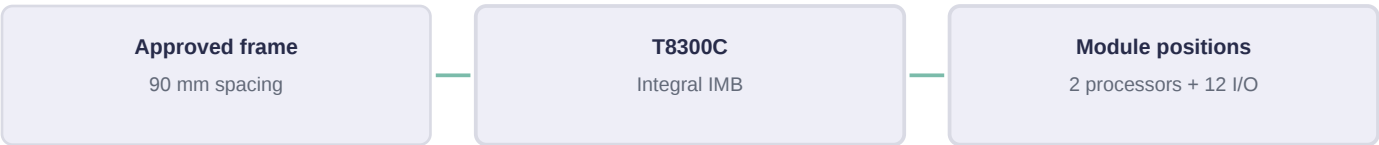
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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8300C | 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



Expander processors occupy positions 13 and 14; these must not be treated as ordinary I/O positions.

The two external power feeds are distinct from the triplicated bus. Use the actual OEM connection drawings.

B | CONFIGURATION BOUNDARY

Check the chassis version, slot plan, power feeds and mounting arrangement. Cross-chassis SmartSlot requires version 2 or later and the specified common IMB 0 V connection.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Chassis and backplane arrangement - PDF page 11](#)

[Identification switches and warning - PDF page 12](#)

[Frame and panel mounting - PDF page 17](#)

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.