

AMIKON TECHNICAL DOCUMENTATION

# Installation Instructions

## ICS Triplex T8300

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 T8300, 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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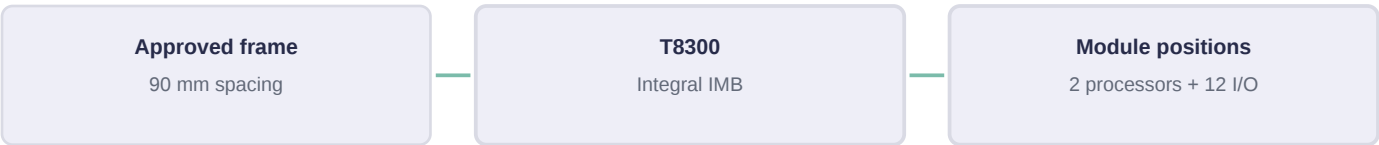
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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8300 | 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.

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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.