

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T9100

AADvance Processor Base Unit

PROCESSOR SLOTS	PROCESSOR TYPE	SUPPLY	PLATFORM
Up to 3	T9110	24 V DC nominal	AADvance

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	Verify T9100 and the required processor population.
Mounting arrangement	Check the DIN-rail or panel arrangement and enclosure clearances.
Connections	Record both power feeds, serial links, Ethernet links and I/O connections.
Network records	Preserve the approved processor IP addresses and project records.
Controlled isolation	Apply the site isolation plan before replacing the base or disturbing wiring.

02 PREPARATION AND BOUNDARIES

- Use the manufacturer mounting drawings and protective-ground instructions for the actual enclosure.
- Record all connectors and the existing controller layout; do not treat base replacement as routine online processor exchange.

03
INSTALLATION AND COMMISSIONING

01	Confirm T9100, the T9110 processor group and the approved base layout before fitting.
02	Mount and secure the base by the documented DIN-rail or panel method, retaining space for the I/O bases.
03	Check fully mated base connectors, retaining clips and protection covers on exposed unused connections.
04	Install the required protective-ground connection and both DC supply connections using the complete OEM procedure.
05	Verify processor coding, communication wiring, intended network settings and the program-enable arrangement.
06	Complete the controlled power-up, communication checks and functional validation before operational release.

04
SAFETY AND FINAL CHECKS

- Check both power feeds, protective grounding and all base-to-module connections before investigating application faults.
- Confirm processor identity, network addresses and I/O communication against the approved configuration.

05
OFFICIAL PROCEDURE

ICSTT-RM447N-EN-P | AADvance Solutions Handbook | February 2021

Handbook PDF pp. 102-104: processor base description and specifications. RM448 build manual PDF pp. 82-86: mounting, grounding and power.

ICSTT-RM448N | AADvance System Build Manual | September 2024

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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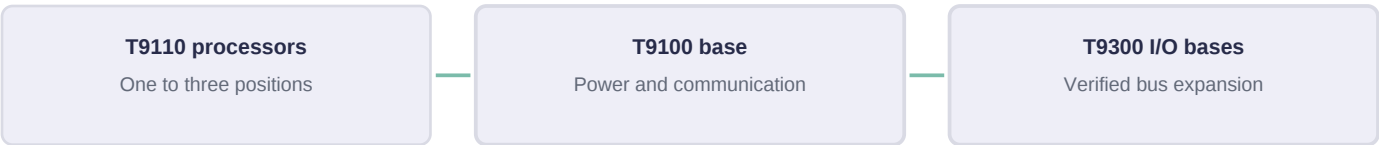
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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T9100 | 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



Logical relationship only; processors and external accessories are not implied to be included.

Use the complete manufacturer diagrams for protective grounding, power and connector wiring.

B | CONFIGURATION BOUNDARY

Use T9100 with the documented T9110 processor population, correct I/O-bus layout and verified network configuration. Supply and protective-ground connections require the full OEM procedure.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Processor and I/O base mounting - PDF page 82](#)

[Coding and protective-ground connection - PDF page 85](#)

[Redundant DC power connection - PDF page 86](#)

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.