

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8153C

Trusted communications interface adapter

ETHERNET	RS-485	RS-232	POSITION
2 x 10/100BaseT	4 ports	Full + partial	Rear chassis

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 T8153C, the actual hardware series and the coating requirement.
Mounting	Match the rear T8100 connector behind the communications interface; remove that interface before fitting the adapter.
Connections	Check Ethernet media, serial banks and the complete manufacturer pinout before connection.
Grounding and condition	Maintain chassis earth and the separate RS-485 signal ground. Reject damaged connectors and use ESD precautions.
Configuration	Match RS-232 or RS-485 mode for banks 1 and 2 and the termination links required by the network topology.

02

PREPARATION AND BOUNDARIES

- Use the controlled isolation and maintenance procedure. The manufacturer requires the communications interface to be removed before fitting this adapter.
- Use the original connection tables, not this logical diagram, for wiring. Check signal ground separately from cable screening.

03
INSTALLATION AND COMMISSIONING

01	Record the exact adapter and communications interface identities, existing port modes and approved network drawing.
02	Remove the communications interface under the approved maintenance procedure before connecting the rear adapter.
03	Align the rear chassis socket and slide the adapter upward until it mates and clicks into place. Do not force the connector.
04	Connect the documented chassis earth and RS-485 signal ground. Do not connect signal ground to the cable screen.
05	Match termination links to the original full- or half-duplex network example. Check mutually exclusive serial modes.
06	Restore the interface and equipment under the approved procedure, then verify the configured communications links.

04
SAFETY AND FINAL CHECKS

- The manufacturer recommends T8173 for the gateway module. Do not treat this communications adapter as an unrestricted gateway substitute.
- Unreliable RS-485 links require the documented signal-ground, termination and serial-mode checks; do not bypass the site safety procedure.

05
OFFICIAL PROCEDURE

PD-T8153 Issue 14 | Trusted Communication Interface Adapter

PDF pp. 11-16: associated equipment and ports; pp. 17-20: mounting and connections; p. 21: specifications.

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

+86-18020776786

INFO@AMIKON.CN

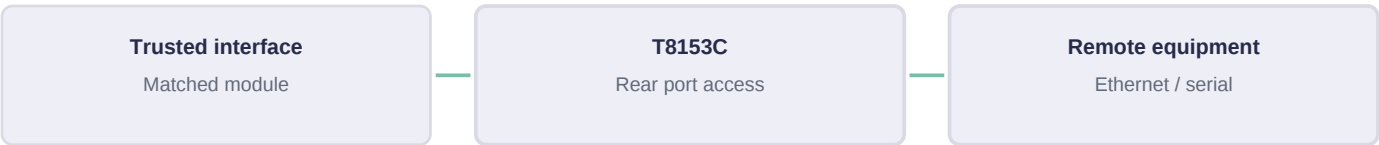
AMIKONG.COM

06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8153C | 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



The rear adapter clips onto the controller chassis connection. Remove the communications interface before fitting it.

Serial banks 1 and 2 use the configured RS-232 or RS-485 mode, not both. Network termination must match the original examples.

B | CONFIGURATION BOUNDARY

Match the communications interface, chassis connector, serial mode and termination. This adapter is not the recommended T8170 gateway adapter; use the documented gateway-specific arrangement.

07 ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Adapter construction and layout - PDF page 14](#)

[Installation and connector table - PDF page 17](#)

[Serial wiring and Ethernet connectors - PDF page 19](#)

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.