

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8100

Trusted controller chassis assembly



PROCESSOR	I/O	SUPPLY	FUSING
2 x 90 mm slots	8 x 30 mm slots	20-32 V DC	External, 20 A

ICS Triplex T8100 is the Trusted Controller Chassis that houses the system processors and I/O or interface modules. Its integrated Inter-Module Bus backplane provides the electrical interconnections between installed modules, with positions for two triple-width processors and eight single-width I/O or interface modules.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8100
Processor capacity	Two triple-width, 90 mm Trusted TMR processor positions
I/O and interface capacity	Eight single-width, 30 mm module positions
Backplane function	Inter-Module Bus electrical interconnection between installed modules
Voltage range	20 to 32 V DC
External fusing	20 A
Backplane connectors	10 male DIN 41642 connectors
Standard mounting	Swing frame or fixed frame

02 TECHNICAL DATA

Panel mounting accessory	T8380 mounting kit
Inter-chassis cooling clearance	90 mm
Operating temperature	0 to +60 degrees C
Non-operating temperature	-25 to +70 degrees C
Humidity	10 to 95%, non-condensing

03 APPLICATION AND CONFIGURATION

- ESD: houses the selected safety processors and I/O within the controller cabinet.
- HIPPS: provides mechanical support and the electrical backplane for the chosen control modules.
- Turbomachinery: supports compatible Trusted modules; protection functions need the complete engineered system.

04 OFFICIAL DOCUMENTATION

PD-T8100 | Issue 13 | Trusted Controller Chassis

Printed p. 3: module positions and clearance; p. 5: backplane; p. 21: mounting; p. 23: specifications (PDF pp. 11, 13, 29, 31).

Independent Amikon summary, not a manufacturer-issued manual. Follow the complete current manufacturer and site safety instructions for the installed hardware. No manual pages are reproduced.

AMIKON PRODUCT SUPPORT

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