

TRUSTED EXPANDER CHASSIS SYSTEMS

Product Data Sheet

T8310

TMR expander processor module

FUNCTION	FAMILY	ORIGIN	WEIGHT
TMR expander processor module	Trusted expander chassis systems	United Kingdom	1.33 kg

Trusted TMR Processor System T8310 is a TMR expander processor module for the Trusted expander chassis systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Architecture	HIFT TMR, 3-2-0 operation
Backplane Supply	20 to 32 V DC
Power Dissipation	45 W
Module Position	T8300 slots PL1 or PL2
Isolation	50 V basic insulation
Fusing	Not user-serviceable
Copper Distance	30 m with TC-301
Fibre Distance	10 km with T8314
Operating Temperature	0 to +60 °C
Storage Temperature	-25 to +70 °C

ADDITIONAL PRODUCT DATA

Humidity	10 to 95% non-condensing
IMB Connector	SK1, 185-way DIN 41642
Bus Connector	PL4, 96-way DIN 41612 C
Bus Data Rate	1.5 Gbit/s
Keying Pins Removed	1, 2 and 5

OFFICIAL APPLICATIONS

- Emergency shutdown expansion chassis: Safety Control Systems
- Reactor protection and trip cabinets: Fault Tolerant Systems
- Burner management safety cabinets: Plant Protection Systems

SYSTEM COMPATIBILITY

Match T8310 to the installed Trusted expander chassis systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ICS Triplex official manufacturer documentation](#)

https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icsitt-rm266_-en-p.pdf

AMIKON PRODUCT SUPPORT

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