

# T8311

## Trusted Expander Interface

Trusted facts for Trusted architectures.

### Product Overview

ICS Triplex T8311 is a Trusted Expander Interface. In the Trusted 8000 system it interfaces an expansion chassis to the Trusted expander bus and passes I/O traffic and diagnostics; it handles expander-bus data, synchronization and module status and operates with T8310 expander processor, Trusted chassis, approved cables and keyed interface positions. Typical uses include Expansion chassis linking, Remote I/O cabinets, Redundant expander paths.

### Verified Technical Reference

|                             |                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------|
| Manufacturer                | ICS Triplex (Rockwell Automation)                                                  |
| Model                       | T8311                                                                              |
| Product Type                | Trusted Expander Interface                                                         |
| System Family               | Trusted 8000                                                                       |
| Channel / Interface Summary | chassis expansion interface for the Trusted expander bus                           |
| Signal Role                 | expander-bus data, synchronization and module status                               |
| Official Device Dimensions  | 266 × 31 × 303 mm                                                                  |
| Official Weight / Mass      | Use the current official manual/nameplate; packed mass is not separately published |
| Country of origin           | Verify the physical nameplate and current Rockwell Automation order record         |
| Tariff Code                 | 8537101101                                                                         |
| Official Source             | Rockwell Automation ICSTT-RM267K-EN-C                                              |

## Core Functions

- interfaces an expansion chassis to the Trusted expander bus and passes I/O traffic and diagnostics
- Processes expander-bus data, synchronization and module status
- Exchanges data and diagnostics with T8310 expander processor, Trusted chassis, approved cables and keyed interface positions
- Reports module and channel status through the controller architecture
- Supports the safety or high-integrity control strategy described by the official manual

## Key Features

- chassis expansion interface for the Trusted expander bus
- Designed for the Trusted 8000 architecture
- interfaces an expansion chassis to the Trusted expander bus and passes I/O traffic and diagnostics
- Model-specific keying, termination and configuration requirements are retained
- Official diagnostics and redundancy behavior must be commissioned in the host system

## Compatible Components

T8310 expander processor, Trusted chassis, approved cables and keyed interface positions

## Official Source

Rockwell Automation ICSTT-RM267K-EN-C

[https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icstt-rm267\\_-en-c.pdf](https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icstt-rm267_-en-c.pdf)

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