

## Ixxat T100/CS Development Kit

Item number: 025800-B

The Ixxat Safe T100/CS offers an easy way to implement safe I/O signals into industrial devices, using the Common Industrial Protocol (CIP) Safety protocol. The Development Kit is an all-in-one solution for evaluation purposes, featuring essential components like a base board with an Anybus CompactCom module, CPU, and a safety module.



*Safe communication through Common Industrial Protocol (CIP) Safety*

### Features and benefits

- ✓ **High safety level assurance**  
The module meets the SIL3 safety requirement level as defined by IEC 61508 and Performance Level PLe / Category 4 in ISO 13849-1, ensuring a high standard of safety and reliable performance.
- ✓ **Advanced safety protocol integration**  
For CIP Safety, the CompactCom handles EtherNet/IP Adapter functions, while the safety module manages the CIP safety layer, controlling three dual-channel inputs and one dual-channel output.
- ✓ **Flexible I/O configuration**  
Offering support for both single and dual-channel use, the Ixxat Safe T100/CS provides a high degree of flexibility.
- ✓ **Simplified certification**  
Easy device certification of Safe T100-based end products thanks to the comprehensive safety manual, along with a clear separation of safety-relevant functions from unsafe functions of the end device.
- ✓ **Customized communication integration**  
The Ixxat Safe T100 module can be connected to custom non-safe communication solutions by granting it access to the transport layer. This allows for seamless integration with a variety of systems.
- ✓ **Enhanced network compatibility**  
The module offers direct connectivity with the Anybus CompactCom, leveraging the black channel principle and enabling seamless communication for both safe and non-safe protocols on the same wire.
- ✓ **Comprehensive development kit**  
Ixxat T100/CS Development Kit features an EtherNet/IP Anybus CompactCom module, a host CPU and suitable safety module. The configuration of the Safety I/Os is done via the fieldbus connection.
- ✓ **Efficient pre-certified concept**  
The module integrates all necessary functions for achieving SIL-3/PLe compliance on one device. It is equipped with pre-certified hardware and a comprehensive documentation for easy re-certification.
- ✓ **Compact and integrative design**  
Its compact size coupled with flexible I/O routing makes the module ideal for integration into customer-specific device solutions.



## Identification and Status

Product ID	025800-B
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

## General

Net Weight (g)	65
Packed Weight (g)	65
Operating Temperature °C Min	-30 °C
Operating Temperature °C Max	68 °C
Input Voltage (V)	24 V DC (SELV/PELV), 3.3 V DC
Content of Delivery	Safe T100 Development Kit, user manual
Packaging Material	Cardboard

## Physical Features

Connectors / Input / Output	3 x Digital Inputs (3 x dual channel, configurable with filter and monitor functions), 1 x Digital Output (1 x dual channel, configurable), 30-pin male connector (electrical connectivity between the customer device and the Safe T100 device), 2 x RJ45 connectors
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## Certifications and Standards

ETIM Classification	EC001599
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