

CC-Link IE Field

High-speed network connectivity for field devices

CC-Link IE Field – PROFINET I/O Coupler

- 💡 Connects CC-Link IE reaction-less into PROFINET networks
- 💡 4 Ethernet ports for transparent and efficient communication
- 💡 According to joint specification from CLPA and PI



CC-Link IE Field – Communication Interfaces

- 💡 Intelligent Device Station in the CC-Link IE network
- 💡 Fixed Baud rate of 1 Gbit/s
- 💡 CSP+ configuration file
- 💡 Acyclic communication via SLMP
- 💡 Available as PC Card, Embedded module and netX technology



CC-Link IE Field implementation by Hilscher

As provider of industrial communication solutions, Hilscher offers the complete range from PC interface cards, Communication Modules, Gateways up to customer-specific engineering services to realize your projects requiring CC-Link IE Field connectivity.

The product design is based on proven Hilscher netX technology and Mitsubishi CP520. All CC-Link IE products fit seamless into the Hilscher product portfolio and offer the same common application interface and use the same device driver and configuration tool SYCON.net. This allows an efficient design and development in case several communication protocols have to be supported in the customer product.

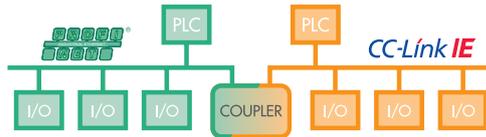


PRODUCT INFORMATION

TECHNICAL DATA

Coupler

The coupler realizes a transparent and efficient communication path between CC-Link IE Field and PROFINET in accordance with the common interoperability specification published by the organizations CLPA and PI. With its four Ethernet ports the coupler physically bridges between two plant sections based on either technology to allow the transparent exchange of key data from one network to the other.



NT 151-CCIE-RE

PC Cards

The PC Card family cifX offers maximum performance, functionality and flexibility. All cards have the same application interface and use the same device driver and tools.

For PC based automation, the CC-Link IE Field interfaces are available as Standard PCI Express and Low Profile PCI Express cards for Slave only. Device drivers for various RTOS are available and a complete software package (configuration tool, drivers, manuals) is included in delivery.



CIFX 50E-CCIES



CIFX 70E-CCIES

Communication Module

The comX modules are complete communication solutions for embedded designs and are based on the high-end network controller netX. comX includes all essential components for Real-Time Ethernet e.g. CC-Link IE Field and the communication tasks are carried out independent from the host processor.

Since the API is common for all protocols, you can support CC-Link IE Field and other industrial networks with just one product design.

netX technology

The Hilscher netX family consists of multi-protocol network controllers for integration in any automation device. netX has an integrated ARM9 CPU, provides comprehensive peripheral functions and can support all major Fieldbus and Real-Time Ethernet protocols.

For CC-Link IE Field the netX design will be enhanced with a Mitsubishi CP520 chip and licensed CC-Link IE firmware needs to be added during manufacturing process.



netX 51

netX 100

Article Overview

NT 151-CCIE-RE

1724.122 | Coupler - CC-Link IE Field Slave to PROFINET I/O Device

CIFX 50E-CCIES

1251.700 | PCI Express Card - CC-Link IE Field Slave

CIFX 70E-CCIES

1259.700 | Low Profile PCI Express Card - CC-Link IE Field Slave

COMX 51CA-CCIES

1571.700 | Embedded Module - CC-Link IE Field Slave

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