

## Ixxat INpact ECT Slave PCIe

Item number: 1.01.0320.21110

The Ixxat INpact ECT Slave PCIe is a versatile and efficient solution to connect embedded systems or PCs to EtherCAT networks. This preconfigured EtherCAT variant features a robust PCIe format and is ideally suited for real-time control and automation applications in demanding industrial environments.



*Connects computers and embedded systems to industrial EtherCAT networks*

### Features and benefits

- ✓ **Ideal for demanding requirements**  
Offers reliable data processing with deterministic real-time behavior, utilizing Anybus CompactCom NP40 technology to ensure efficient communication in complex and time-sensitive applications.
- ✓ **PCle interface**  
Single-lane (1x) PCI Express interface supports high-speed data transmission, ideal for demanding industrial applications.
- ✓ **Overvoltage protection**  
Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.
- ✓ **Easy configuration and maintenance**  
User-friendly configuration tools simplify setup and system updates, making it a flexible solution for long-term use in dynamic environments.
- ✓ **Easy device file implementation**  
Flexibility to implement DS402 drive profiles, semi device profiles, and other device profiles.
- ✓ **Use in industrial and standard PCs**  
PC interface board for fixed installation in desktop or industrial PCs, providing reliable connectivity .
- ✓ **Broad application range**  
Suitable for diverse applications including slave connection to networks, process data visualization, Human-Machine-Interfaces (HMI), data acquisition, and measurement and analysis.
- ✓ **Seamless PC operation under Windows and Linux**  
Powerful driver packages enable easy integration into PC-based Ixxat applications and customer-specific programs.

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## General

|                            |                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Net Weight (g)             | 47                                                                                                                                                                                                                                                                                                                                                |
| Packed Weight (g)          | 184                                                                                                                                                                                                                                                                                                                                               |
| Isolation                  | 1,500 Vrms                                                                                                                                                                                                                                                                                                                                        |
| Configuration              | The Ixxat INpact cards comes with a comprehensive C-API based driver package for Windows and Linux – enabling simple and rapid development of customer-specific applications. Their uniform application programming interface allows for quick protocol switching with minimal programming, enhancing flexibility and reducing development costs. |
| Content of Delivery        | Ixxat INpact PC board, user manual, pre-installed firmware, available as free download: Windows, Linux and INtime driver software                                                                                                                                                                                                                 |
| Not Included (in delivery) | comprehensive and powerful driver and software packages are available as download                                                                                                                                                                                                                                                                 |
| Packaging Material         | Cardboard                                                                                                                                                                                                                                                                                                                                         |

## Identification and Status

|                   |                 |
|-------------------|-----------------|
| Product ID        | 1.01.0320.21110 |
| Country of Origin | Germany         |
| HS Code           | 8517620000      |
| Dual Usage        | No              |

## Physical Features

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| Connectors / Input / Output | 2 x RJ45 connectors, 1 x PCI express (V1.1) single lane port (x1) |
| Form Factor                 | PCIe                                                              |
| Contains Battery            | No                                                                |

## EtherCAT Features

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EtherCAT Supported Functionality | 10/100 Mbit Ethernet ports, CANopen over EtherCAT (CoE), support for Modular Device Profile, DS301 compliant, Network Identity customization, EMCY support, up to 57343 ADIs can be accessed from the network as Manufacturer Specific Objects and Device Profile Specific Objects (generic mode), up to 16383 ADIs can be accessed from the network as Manufacturer Specific Objects and Device Profile Specific Objects (modular device profile enabled), up to 1486 bytes of fast cyclic I/O in each direction, EtherCAT Slave Interface file provided by HMS File access over EtherCAT (FoE), support for process data remap from the network, possible to implement DS402 drive profile, semi device profiles, and other device profiles |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Certifications and Standards

|                        |               |
|------------------------|---------------|
| Product Certifications | CE, FCC, WEEE |
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