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.

Easy device file implementation

Flexibility to impement DS402 drive profiles, semi device profiles, and other device profiles.

PCIe interface

Single-lane (1x) PCI Express interface supports high-speed data transmission, ideal for demanding industrial applications.

Use in industrial and standard PCs

PC interface board for fixed installation in desktop or industrial PCs, providing reliable connectivity .

Overvoltage protection

Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.

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.

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.

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
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

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 form 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

WEEE Category	IT and telecommunications equipment