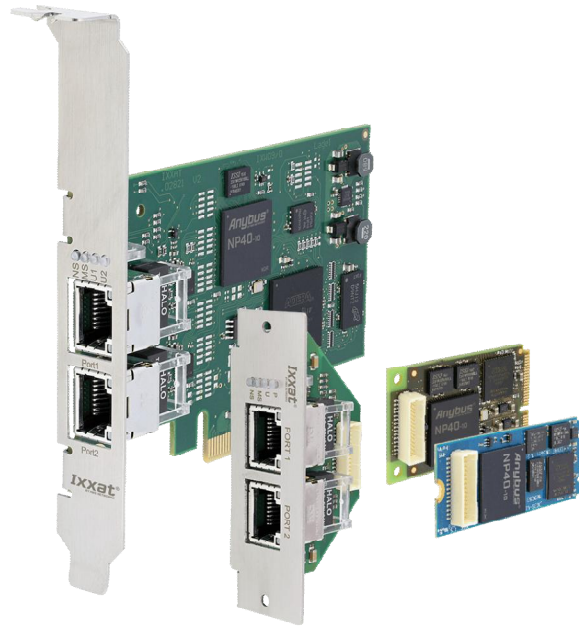# INpact ECT Slave PCIe

Versatile industrial Ethernet PC interface for EtherCAT

The dedicated EtherCAT version of the IXXAT INpact comes with a pre-installed network protocol. It enables the easy connection of PC-based EtherCAT Slave applications to the industrial network and is based on proven Anybus and IXXAT technology.

EtherCAT Features

- CANopen over EtherCAT (CoE)
- Support for Modular Device Profile
- DS301 compliant
- Galvanically isolated bus electronics
- 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

Technical specifications

	INpact ECT Slave PCIe Standard/Low Profile	INpact ECT Slave PCIe Mini	INpact ECT Slave M.2
Field bus interface	Two Ethernet ports, 100/10 Mbit	Two Ethernet ports, 100/10 Mbit	Two Ethernet ports, 100/10 Mbit
PC interfaces	PCI Express single lane port (x1) according to PCI Express base specification, revision 1.1	PCI Express single lane port (x1)	PCI Express single lane port (x1)
Network handling	Anybus NP40	Anybus NP40	Anybus NP40
Power supply	Via PCIe socket (3.3 V / 12 V DC)	Via PCIe (3.3 V)	Via PCIe (3.3 V)
Current consumption	Typ. 270 mA / 3.3 V DC, 110 mA / 12 V DC	Typ. 600 mA / 3.3 V DC	Typ. 600 mA / 3.3 V DC
Form factor	Standard height / low profile PCI Express add-in card profile	Full Mini Card form factor	M.2 2260 (Key B-M)
Operating temperature range	0 ℃ to 70 ℃ Option: -40 ℃ to 70° C	-40 ℃ to 60 ℃	-20 ℃ to 60 ℃
Galvanic isolation	1,500 Vrms	1,500 Vrms	1,500 Vrms
Dimensions	64 x 105 mm	30 x 50.95 x 12 mm (with cable)	22 x 60 x 12 mm (with cable)
Weight	approx. 53 g	approx. 48 g (only board and cable)	approx. 25 g (only board and cable)
Certification	CE, FCC	CE, FCC	CE, FCC