

INpact CE Slave PCIe Mini M12 Kit



The Ixxat INpact CE Slave PCIe Mini M12 Kit is an easy and cost-efficient way to connect computer-based slave applications to various industrial Ethernet networks.

The flexible Common Ethernet (CE) solution offers two complementary variants: Dedicated ready-to-go versions with preinstalled Industrial Ethernet network protocols, as well as a flexible version to download the desired protocol into the standardized INpact hardware. The INpact CE Slave PCIe Mini version is ideally suited for small devices and mobile applications with limited available space.

Ixxat INpact is based on proven Anybus CompactCom NP40 technology, enabling smooth communication between different industrial networks and PC applications. This makes it a reliable solution for demanding, real-time industrial applications requiring high performance.

FEATURES AND BENEFITS

- Versatile PC interface card for all common industrial Ethernet networks
- Easy switching between protocols through a standardized API
- 2 x M12 connectors
- Ixxat INpact in PCIe Mini format with Anybus NP40 network processor for high-performance applications
- The kit includes a connection cable and a bus coupling unit
- Galvanic isolation
- Common driver interface for easy exchange of the PC interface type
- Powerful programming interface for Windows (VCI) as well as for Linux (IDL) and Intime

ORDER NUMBER	1.01.0340.20102
Galvanic isolation	1,500 Vrms
PC bus interface	PCI Express single lane port (x1); form factor F2: Full Mini with bottom-side keep outs
Ethernet connector	2 x M12 connectors via bus interface board
Ethernet interfaces	2

ORDER NUMBER	1.01.0340.20102
Power supply	3.3 V (via PCIe)
Power consumption	Typ. 600 mA / 3.3 V DC
Dimensions	30 x 50.95 x 12 mm (with cable)
Weight	Approx. 25 g
Operating temperature	-40 °C to +60 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	10 to 95 %, non-condensing
Certification	CE, FCC
Operating systems	Windows 11, Windows 10 (32/64), Windows 8 (32/64), Windows 7 (32/64), Linux
Additional information	Supported Protocols: PROFINET DPV-1, EtherCAT, EtherNet/IP, POWERLINK, Modbus TCP

CERTIFICATES



PIN ALLOCATION

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TECHNICAL DRAWING

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SOFTWARE SUPPORT

Multi-Protocol approach

The Ixxat INpact Common Ethernet enables easy connection of PC based slave applications to various industrial Ethernet networks, such as PROFINET, EtherNet/IP, EtherCAT, Powerlink or Modbus TCP.

The software for the various protocols can easily be downloaded to the interface. This highly flexible approach allows easy switching between all available protocols in a quick and cost-efficient manner without any additional costs. The network connection is made through a 2-port Ethernet interface (10/100 Mbit, RJ45), which also supports protocol specific switch functions – such as IRT for PROFINET, DLR for EtherNet/IP and Hub for Powerlink.

Easy and protocol independent programming

The INpact cards comes with a comprehensive C-API based driver package for Windows and Linux – enabling simple and rapid development of customer-specific applications. Thanks to the uniform application programming interface, it is possible to switch quickly between industrial Ethernet protocols without extensive programming, which leads to increased flexibility and a reduction in terms of development costs.

Download files and more information can be found at www.hms-networks.com/technical-support.