

INpact CE Slave M.2 Bracket Kit



The Ixxat INpact CE Slave M.2 Bracket Kit is an easy and cost-efficient way to connect computer-based slave applications to various industrial Ethernet networks.

The 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 M.2 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 Ethernet ports with RJ45 connectors
- Ixxat INpact in M.2 format with Anybus NP40 network processor for high-performance applications
- The kit includes an INpact M.2 card, a connection cable, a bus coupling unit and a bracketed plate
- 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	1.01.0342.20151
Galvanic isolation	1,500 Vrms
PC bus interface	PCI Express single lane port (x1); form factor M.2 2260 (Key B-M)
Ethernet connector	2 x RJ45 via bus interface board
Ethernet interfaces	2

ORDER NUMBER	1.01.0342.20151
Power supply	3.3 V (via PCIe)
Power consumption	Typ. 600 mA / 3.3 V DC
Dimensions	22 x 60 x 12 mm (with cable)
Weight	Approx. 25 g (with cable)
Operating temperature	-20 °C to +60 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	10 to 95 %, non-condensing
Certification	CE, FCC
LED	3 x LEDs for Network Status, Interface Status and Link/Activity.
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



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.