netHOST FB

LAN controlled Fieldbus master for DIN rail

→ Controlled via simple TCP/IP based access protocol

→ For PROFIBUS, CANopen and DeviceNet

→ Identical API as Fieldbus PC cards

→ With application example, TCP/IP driver/
coding and DLL as source code

→ In dual-mode applicable for redundancy
operations

Fieldbus master for IT service & business networks

A netHOST FB is a full-featured and autonomously operating Fieldbus master allowing industrial PCs and other embedded systems the control of Fieldbus networks over an ordinary LAN connection.

A simple TCP/IP based transport protocol transfers the services between the controlling unit and the device. For device integration a DLL for Windows and a ‚C' source code for embedded solutions is provided. In both cases the call interface (API) is identical to Hilschers PC cards. This makes a netHOST a „remotely controllable PC card for field installations".

100 bytes process data inputs and outputs are exchangeable over the LAN network in about one millisecond. Acyclic services to the subordinate Fieldbus stations are supported as well. A bus configuration software is included in the delivery.

Two devices can be used in combination to realize redundant applications. Services are provided to execute a controlled switchover in the event one device fails or a line breaks. In case a device fails the memory card slot allows service personnel to perform a firmware and configuration recovery on a replacement device in less than a minute.

→ QR Code Link: netHOST FB
Service-Hotline: +49 (0) 6190 9907-90
www.hilscher.com

empowering communication

Product Information
Technical Data

Technical Data

Operating Temperature
±0 ... +60 °C

Storage Temperature
-40 °C ... +85 °C

Operating Voltage
+18 ... +30 V / 130 mA @ +24 V

Dimensions (L x W x H)
100 × 52 × 70 mm (without connector)

Interfaces
USB Mini-B, 2 x RJ45, D-Sub DE-9 connector, COMBICON 5-pin

Indicators
SYS, APL, L/A, Rx/Tx, bus-specific

Weight
150 g

Certification
UL 508, CE, UKCA, RoHS, REACH EG Nr. 1907/2006

Emission
CISPR 11 Class A

Noise Immunity | Vibration, Shock
EN 61131-2:2003

Mounting
DIN-Rail, EN-50022 35mm x 7,5mm

Processor
netX 100

Card slot
MMC, SD

Technical Data

LAN Ethernet
- IEEE 802.3 10/100 Base-T
- Open TCP/IP transport protocol
- Port 50111 and 50112
- 128 Bytes I and O in 1,33 msec typical

PROFIBUS Master
- IEC 61158
- DP, DPV1, Class 1/Class 2 Master
- 125 Slaves / 5736 Bytes I and O data

CANopen Master
- EN 50325-4
- SDO, PDO, NMT, SYNC EMCY
- 126 Nodes / 3854 Bytes I and O data
- 11 Bit, 29Bit Identifier CAN Layer 2

DeviceNet Master
- IEC 62026-3
- UCMM, Predefined Master/Slave Connection
- COS, Poll, Cyclic I/O-Connection
- 64 Slaves / 3854 Bytes I and O data
- Explicit Message Channel data access

Note: All technical data may be changed without further notice.

Product Overview

NHST-T100-DP/DPM	1890.410	netHOST PROFIBUS Master
NHST-T100-CO/COM	1890.500	netHOST CANopen Master
NHST-T100-DN/DNM	1890.510	netHOST DeviceNet Master