

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**



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.

Technical Data / Product Overview

| Technical Data | Parameter | Value |
|----------------|------------------|---|
| | LAN Ethernet | IEEE 802.3 10/100 Base-T Open TCP/IP transport protocol Port 50111 and 50112 128 Bytes I und 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 Conn. COS, Poll, Cyclic I/O-Connection 64 Slaves / 3854 Bytes I and O data Explicit Message Channel data access |

| Parameter | Value |
|------------------------|--|
| 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 x 52 x 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 |
| CE Sign | yes |
| UL Sign | UL 508 |
| RoHS conform | yes |
| REACH EG Nr.1907/2006 | yes |
| Emission | CISPR 11 Class A |
| Noise Immunity | EN 61131-2:2003 |
| Vibration, Shock | EN 61131-2:2003 |
| Mounting | DIN-Rail, EN-50022 35mm x 7,5mm |
| Processor | netX 100 |
| Card slot | MMC, SD |

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

| Overview | Article Description | Article Number | Article |
|----------|---------------------|----------------|--------------------------|
| | 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 |

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