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.

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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