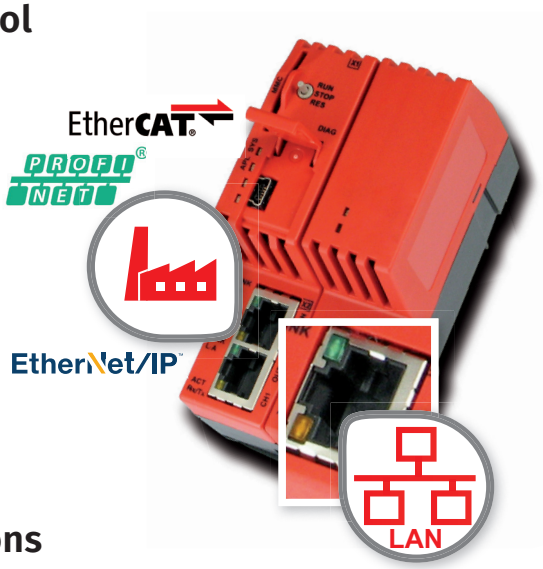
netHOST RTE

LAN controlled Real-Time Ethernet master for DIN rail

- **Controlled via simple TCP/IP based access protocol**
- **For PROFINET, EtherCAT and EtherNet/IP**
- **Identical API as Real-Time Ethernet PC cards**
- **With application example, TCP/IP driver/ coding and DLL as source code**
- **In dual-mode applicable for redundancy operations**



Real-Time Ethernet master for IT service & business networks

A netHOST RTE is a full-featured and autonomously operating Real-Time Ethernet master allowing industrial PCs and other embedded systems the control of Real-Time Ethernet 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 Real-Time Ethernet 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.

hilscher
COMPETENCE IN 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 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

Certification
UL 508, CE, 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 Base-T/100 Base-TX
Open TCP/IP transport protocol
Port 50111 and 50112
128 Bytes E and A in 1,33 ms typical

EtherCAT Master
IEC 61158
PDO and SDO(CoE)
200 Slaves / 5760 I, 5760 O data bytes

PROFINET Master
IEC 61158
RTC, RTA, DCP, CL-RPC, Alarms
128 Slaves / 5712 I, 5760 O data bytes

EtherNet/IP Scanner
IEC 61158
UCMM Class 3, DLR Beacon.
Explicit Message Get/Set Attribute Single/All
64 Slaves / 5712 I, 5760 O data bytes

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

Article Overview

NHST-T100-EN/ECM
1890.110 | netHOST EtherCAT Master, preloaded Firmware and Master license

NHST-T100-EN/PNM
1890.840 | netHOST PROFINET IO Controller, preloaded Firmware and Master license

NHST-T100-EN/EIM
1890.820 | netHOST EtherNet/IP Scanner, preloaded Firmware and Master license

NHST-T100-EN
1890.800 | netHOST for EtherCAT, PROFINET, EtherNet/IP, loadable Firmware

NXLIC-MASTER
8211.000 | Master license

SD-CARD
1719.003 | SD card for backup purpose

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