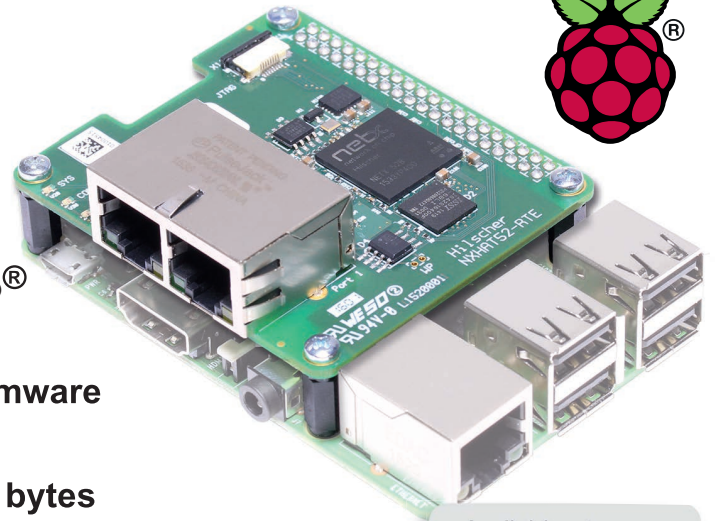
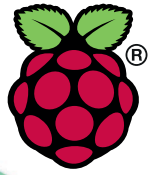


# netHAT

Real-Time Ethernet for Raspberry Pi®



- Pi as an I/O Device to a PLC
- Compatible with Raspberry Pi® 2+3, Zero®
- PROFINET, EtherNet/IP and EtherCAT firmware
- Input and output data configured with 32 bytes
- With device description files, drivers and examples

Available at  
**amazon**



With its multiprotocol SoC netX, Hilscher is one of the technology leaders in matters of industrial communication controllers. The netHAT plug-in module expands an ordinary Raspberry Pi® by a netX access, which allows an exchange of user data between a Pi application and Real-Time Ethernet networks via the two RJ45 plugs.

The module is compatible with the Hardware Attached on Top (HAT) specification of Raspberry's GPIO connector. Pi and netHAT communicate via a 25 MHz high-speed SPI interface. The protocol software in the module can optionally be integrated into the networks PROFINET, EtherNet/IP or EtherCAT as a simple I/O device. The driver configuration decides which software is loaded while launching the module.

In order to simplify the commissioning of the netHAT on standard controllers and master systems, the driver configures the input and output data to 32 bytes. Corresponding GSDML, EDS, ESI device description files as well as the driver library can be downloaded from the web page [www.netHAT.net](http://www.netHAT.net). Also a pre-compiled demo application and an example „c“ source code, which can be customized and compiled for own purposes, are offered.

netHAT offers the ideal entry for students and pre-development tests. Just plug the module and communicate!

The netHAT module is for training purposes only and is not qualified for industrial use. It teaches the use of netX and expands the understanding of its application interface. For the professional use of the netX technology in your own devices, we are happy to advise you.



# Technical Data / Product Overview

Technical Data	Parameters	Value
	Processor	netX 52
	Memory	4 MB Quad SPI Flash
	Communication interface	2 x Ethernet 100 BASE-TX
	Host interface	SPI up to 25 MHz
	LEDs	System-LED COM LEDs for protocol-specific diagnosis
	Operating temperature	0 ... + 50 °C
	Operating voltage	+5 V / typ 300 mA
	Dimensions (L x W x H)	65 mm x 57 mm x 20 mm
	CE marking	yes
	RoHS compliant	yes
	Compatible with Raspberry	Raspberry Pi <sup>®</sup> 3, Pi <sup>®</sup> 2, Zero <sup>®</sup>
Module standard	HAT standard for Raspberry Pi <sup>®</sup>	

**Note:** The technical data is subject to change.

**Declaration**

This product serves for test- and education- / teaching purposes for industrial applications and controls. Every liability is excluded with industrial use.

Overview	Article Description	Article Number	Article
	NHAT 52-RE	7775.000	netHAT - netX Raspberry Pi <sup>®</sup> Module

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