For your automation solutions

Collaborative Automation Partner Program

Components and *services*
for all leading Fieldbus- and Real-Time Ethernet-systems

Schneider Electric
and Hilscher

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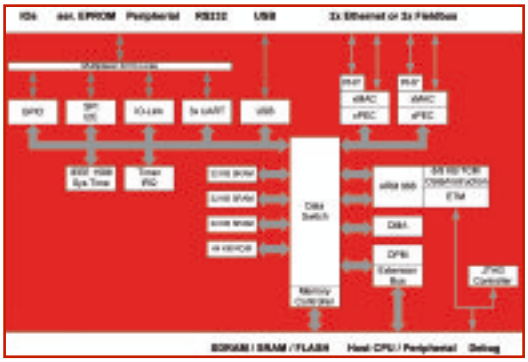
Schneider Electric
Building a New Electric World

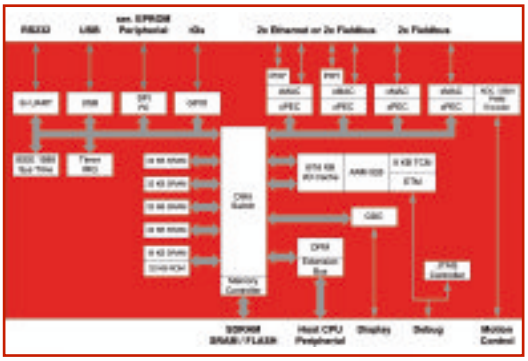
> Hilscher designs, manufactures and supports proven Fieldbus and Real-Time-Ethernet modules and is one of the most powerful companies in industrial communication

With netX we present the next generation on high integrated network controllers based on the 32 bit processor ARM 926 supporting all Real-Time-Ethernet and the most important Fieldbus Systems.

netX 50

The 32-Bit CPU ARM 966E-S is clocked with 200 MHz and has 112 KB internal RAM and 64 KByte ROM memory.
The memory can be expanded flexible by the 32-Bit memory controller with SDRAM, SRAM or FLASH externally. Extensive periphery functions, serial interfaces such as UART, USB, SPI, IÇC, as well as the integrated IO-Link and CCD controller allows a large scope of applications.
The central data switch and the free configurable communication channels with its own intelligence are the unique selling proposition of the netX as a “high end” network Controller.





netX 100/500

The internal memory of 144 KByte RAM and 32 KByte ROM that contains the Bootloader is sufficient for smaller applications whereas for Windows CE and Linux it is supplemented with the 32 Bit Memory Controller memory externally with SDRAM, SRAM or FLASH.
The connection to a primary Host is carried out via the Dual-Port-Memory interface, which is configurable for stand-alone applications also as a 16 Bit extension bus.
Comprehensive peripheral functions, serial interfaces such as UART, USB, SPI, IÇC as well as the integrated graphic controller permit a wide spectrum of applications.

cifX

The cifX PC card series offers a solution that supports a broad variety of Real-Time-Ethernet systems. It utilizes the netX controller chip and a SDRAM and provides maximum performance, functionality and flexibility for a fair price. The cifX Cards are available for PCI, PCI Express, Mini PCI and PC-104.

CONNECTED BY netX

comX

netX based comX-Modules get their identity by loading an appropriate firmware file. The stacks are implemented as master or slave type protocols and are executed on the comX-Module.
Data exchange with the host application is carried out via a Dual-Port-Memory Interface. The process data images are available directly via memory read and write functions. The comX Module features two RJ45 connectors for Ethernet, System/Status/Link/Activity LEDs, 8 or 16-Bit Host Application Interface, USB & UART Diagnostic Interface, Direct Process Data Access, a Very compact Size and Solid mechanical Mounts.

Modbus TCP/IP & other Real-Time Systems

Today's communication is dominated by Ethernet, which transfers its data ten times faster than tradional fieldbus technology.

Despite increased requirements it is also necessary to lower the costs in order to remain competitive. As a leading supplier of industrial communication technology we have accepted these requirements and with netX we present the next generation of high integrated network controllers.

With our ASICs, PC Cards and Modules it is possible to connect Modbus TCP/IP very simply and cost effective, with all leading Fieldbus and Real-Time Ethernet systems, like: AS-Interface, CANopen, DeviceNet, CC-Link, PROFIBUS, EtherCAT, EtherNet/IP, ETHERNET POWERLINK, PROFINET and SERCOS III.

Modbus IDA MEMBER

> networX on chip
The future of communication

The netX is a highly integrated network controller with a new system architecture optimized for communication and maximum data throughput. It si based on the 32-Bit CPU ARM 926EJ-S cycled at 200 MHz, for Windows and Linux.

- Flexible “high end” network controller or highly integrated single chip solution for applications and communication
- Four communication channels as Real-Time Ethernet or Fieldbus interface individually configurable
- New system architecture optimized for communication and high data throughput
- Dual-Port-Memory, AD converter and graphic controller on chip

Schneider Electric

More service with Schneider Electric's worldwide coverage

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hilscher
COMPETENCE IN COMMUNICATION

Hilscher GmbH was founded in 1986, by Hans-Jürgen Hilscher.
Today Hilscher is one of the world leaders in industrial communication.

Our aim is to offer products in a user-friendly manner, with functionality on the highest level and to offer them more economically then our customers can do on their own.
We have been successful with this strategy for more than 20 years. Our customers include the largest manufacturers as well as more than 1,000 smaller and medium sized companies.
Hilscher is a global company with wholly owned subsidiaries in China, France, Italia, Japan, Swiss, USA and Distribution Partners in 20 other countries.

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