

ethernet toolbox

Elektor Designer's Companion Software Tools & Hardware Tips

To help you learn about Ethernet interfaces, we have compiled a collection of all articles on this topic that have appeared in Elektor Electronics and complemented them with additional documentation and links to introductory articles on Ethernet interfaces.

This CD-ROM contains all essential information regarding Ethernet interfaces. It includes a collection of data sheets for dedicated Ethernet interface ICs from many different manufacturers.

There are various ways to incorporate an Ethernet interface in a microcontroller circuit, such as:

- ⊕ Adding an Ethernet controller to an existing circuit.
We have selected non-PCI controllers for this purpose.
- ⊕ Using a microcontroller with an integrated Ethernet interface in the basic design. Here we have limited ourselves to 8-bit and 16-bit microcontrollers, since 32-bit devices can hardly be classified as controllers.
- ⊕ Adding a serial-to-Ethernet converter to an existing circuit that has a serial interface. You can choose from a large variety of converters.
- ⊕ Using a card with an Ethernet interface, such as a micro webserver.

To help you with your own projects, the CD-ROM provides a wealth of information about connectors and components for the physical layer (PHY) and specific software tools for use with the Ethernet (Software).

All of the documents are PDF files.

Please refer to the previously released CD-ROMs in our Toolbox series for general tools (compilers, debuggers, etc.).

- Controllers
- Microcontrollers
- Boards with Ethernet connectivity
- Serial to Ethernet
- Miscellaneous
 - CAN to Ethernet
 - Connectors
 - Physical Layer Transceiver
 - Power
- Software
- Acronyms
- Address book
 - ◆ Manufacturers
 - ◆ Websites for embedded systems
- IEEE 802® standard
- Elektor articles



www.elektor.com

ISBN 978-90-5381-214-3



9 789053 812143