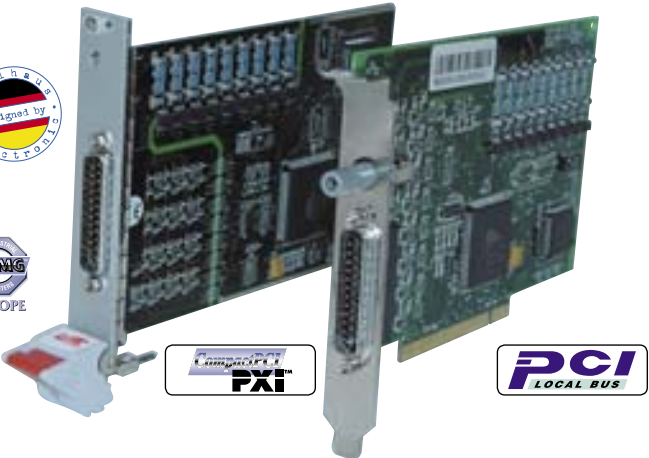
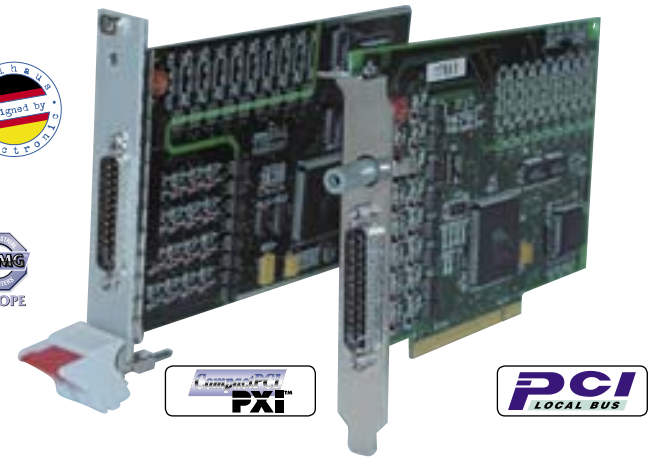
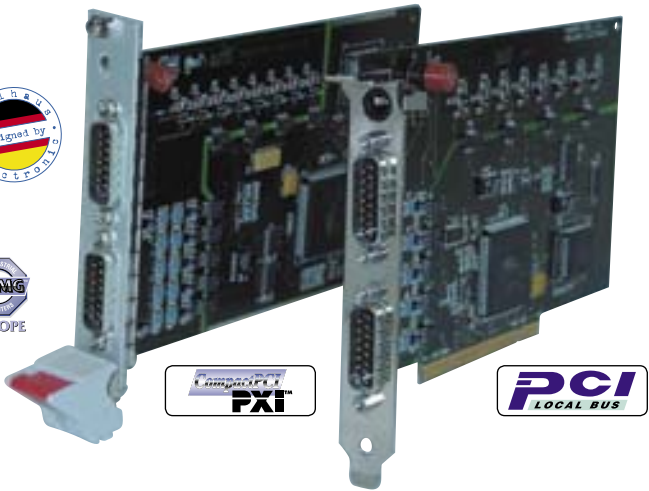


Solid, reliable standard opto digital interfaces

ME-94, ME-95, ME-96

These versatile opto digital boards give you reliable quality at a reasonable price: The ME-96 for example is one of the best selling opto interface boards from the ME familie. The functionality is easy to understand and practically orientated. And they meet high standards of reliability and noise immunity.

- Opto inputs and outputs with isolation up to 500 V. Industrial 24 V level.
- ME-96: 10 opto inputs and 8 opto outputs.  
ME-95: 16 opto-isolated digital outputs.  
ME-94: 18 opto-isolated digital inputs.
- Outputs **stabel during PC power on**: No unintentional voltage peaks.
- All channels wired to 2x 15-pin D-sub male (ME-96) or 1x 25-pin D-sub male (ME-95/94).
- Plug'n'Play. Available for the bus platforms **StandardPCI** and **PXI/CompactPCI** (PCI Local Bus 2.1 compatible) and with ME-Synapse: **Ethernet/LAN, USB**.



--- Software included on CD: ---

- ME-iDS and ME-iDC driver and configuration tool for **Windows XP, 2000, Vista and GNU Linux 2.6**.
- Supports **Visual C/C++**, **Visual Basic**, **VEE Pro** (Windows), **LabVIEW** (Windows, Linux), **Python**.
- Programming examples.

"Soft manuals" English and German for Acrobat Reader/PDF.



For design-in and integration into new systems we recommend the follow-up model ME-8200, available for PCI-Express, PCI, CompactPCI/PCI and USB (MEphisto Opto). Can also be used in the ME-Synapse LAN and USB!



Ready for ME-Synapse, that means: You can use the CompactPCI versions of the ME-96, ME-95 and ME-94 with the **ME-Synapse LAN** in your ethernet or with the **ME-Synapse USB** at the USB! For more information see the ME-Synapse.



ME-Synapse USB



ME-Synapse LAN

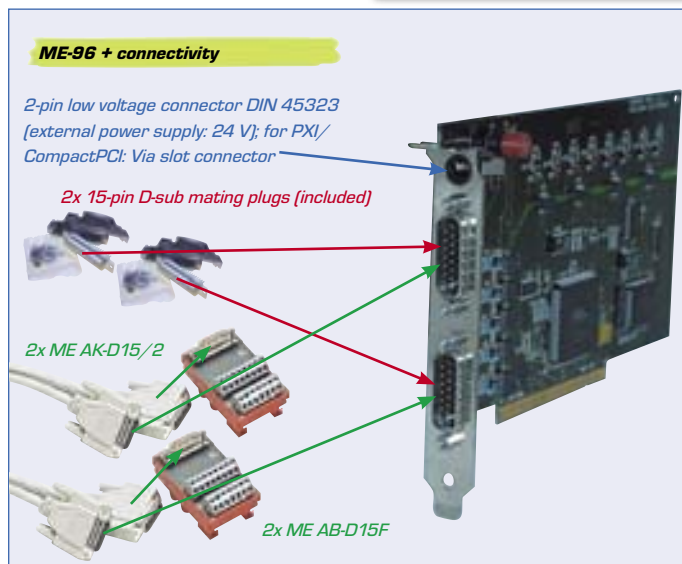
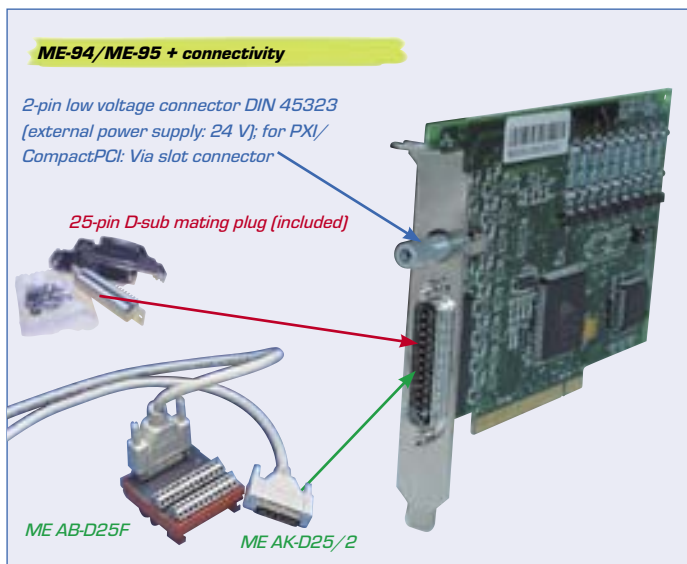


ME-Neuron



Solid, reliable standard opto digital interfaces

ME-94, ME-95, ME-96



--- Ordering codes and features ME-96, ME-95, ME-94 ---

Model	24 V opto-isolated digital inputs	24 V opto-isolated digital outputs	Bus	Scope of delivery
ME-94 PCI	18	-	PCI	Board, ME-Power-CD, 25- (ME-94/95) or 2x 15-pin (ME-96) mating plug(s).
ME-95 PCI	-	16	PCI	
ME-96 PCI	10	8	PCI	
ME-94 cPCI	18	-	PXI/CompactPCI	
ME-95 cPCI	-	16	PXI/CompactPCI	
ME-96 cPCI	10	8	PXI/CompactPCI	

**Attractive bundles:**

Buy the ME board of your choice bundled with accessory of your choice and save money! For example:

ME-SK ME-9_ _ _	<b>StartKit with:</b> Board of your choice + cable (ME-96: 2 cables) + terminal block (ME-96: 2 terminal blocks).
ME-PP ME-9_ _ _	<b>PowerPack with:</b> Board of your choice + cable (ME-96: 2 cables) + terminal block (ME-96: 2 terminal blocks) + graphic software development environment VEE Pro.

--- Recommended accessory for the ME-94, ME-95, ME-96... ---

<b>For the ME-96:</b>	
ME AK-D15/2	2 m <b>standard cable.</b> 15-pin D-sub male to female, 1:1 contacted. 2x required.
ME AB-D15F	<b>Standard terminal block.</b> 15-pin D-sub female to spring terminals. 2x required. In a DIN rail mountable card carrier.
<b>For the ME-94 and ME-95:</b>	
ME AK-D25/2	2 m <b>standard cable.</b> 25-pin D-sub male to female, 1:1 contacted. Standard cable.
ME AB-D25F	<b>Standard terminal block.</b> 25-pin D-sub female to spring terminals. In a DIN rail mountable card carrier.
<b>Further accessory:</b>	
ME-Synapse LAN & USB	Adapter from 3 U ME CompactPCI to USB or Ethernet/LAN.
ME-Neuron	Pre-configured, 3 U CompactPCI based complete DAQ and control system.

--- Specifications ---

Opto inputs	ME-94	ME-95	ME-96
Number	18	-	10
Level	24 V	-	24 V
Voltage	Low: 0...12 V; high: 13...24 V; input current at 24 V: 7 mA	-	Low: 0...12 V; high: 13...24 V; input current at 24 V: 7 mA
Isolation	Isolation voltage 500 VDC	-	Isolation voltage 500 VDC
Rate	Max. 1 kHz <sup>2)</sup>	-	Max. 1 kHz <sup>2)</sup>
Opto Outputs	ME-94	ME-95	ME-96
Number	-	16	8
Level	-	24 V. Defined status (0) during PC power on/off	24 V. Defined status (0) during PC power on/off
Voltage	-	Output high impedance; voltage -0.1 V (output high level min.)	Output high impedance; voltage -0.1 V (output high level min.)
Driver current	-	Max. 220 mA	Max. 100 mA
Isolation	-	Isolation voltage 500 VDC	Isolation voltage 500 VDC
Rate	-	Max. 1 kHz <sup>2)</sup>	Max. 1 kHz <sup>2)</sup>
General	ME-94	ME-95	ME-96
Bus interface	32 bit/33 MHz StandardPCI bus or PXI-/CompactPCI bus. PCI Local Bus 2.1 compatible		
Size (mm)	PCI: ~ 174 x 98. PXI/CompactPCI: 160 x 100 (3 U Europacard format)		
Connectors	25-pin D-sub male		2x 15-pin D-sub male
	All PCI-Models: 2-pole low voltage female connector DIN 45323 (external supply power: 24 V nominal; fuse for external supply voltage F1: 1.6 AT/250 V); For PXI/CompactPCI: External supply power via CompactPCI bus slot connector		

2) Effective suppression of fast transients in µs range.