

High-precision, low-price 16 bit standard DAQ board

ME-Jekyll ME-4610



Best value for money!
Low-priced high-precision DAQ board!

With this DAQ board you are on the safe side: It gives you all the functions a professional DAQ board requires. In case it gets too "small" for your application one day, just replace the board with a model from the ME-FoXX family. Advantages: Full compatibility of connectivity, software and functionality. Just add the new functions, or expand the board up to 256 analog inputs, using an ME-MUX32 analog multiplexer!

- 16 single-ended analog inputs. Range ± 10 V.
- **High-precision 16 bit/500 kHz A/D conversion.** External digital trigger.
- **32 TTL digital I/O channels**, grouped in 4x 8 bit ports. Each port programmable as input/output.
- **3x 16 bit counters.** All lines wired to connector.
- PCI Local Bus 2.1 compatible. Plug'n'Play. StandardPCI version.



- 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.

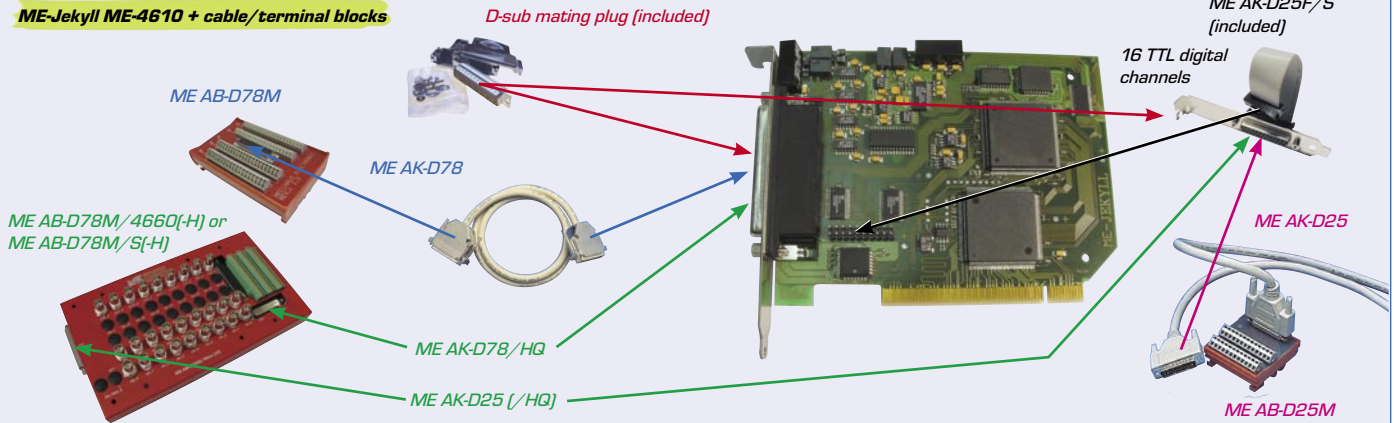
--- Ordering codes and features		ME-Jekyll ME-4610 ---
Model	Description	
ME-Jekyll ME-4610 PCI	16 single-ended analog inputs; external digital trigger; 32 digital I/Os (TTL level, 4x 8 bit ports, each port programmable as inputs or outputs), 3 (16 bit) counters, PCI	
Scope of delivery	Board, ME-Power-CD/software, ME AK-D25F/S, 78- and 25-pin mating plug	
Attractive bundles:		
Buy the ME board of your choice bundled with accessory of your choice and save money! For example:		
ME-SK ME-4610 PCI	StartKit with: ME-Jekyll ME-4610 + cable of your choice + terminal block of your choice.	
ME-PP ME-4610 PCI	PowerPack with: ME-Jekyll ME-4610 + cable of your choice + terminal block of your choice + graphic software development environment VEE Pro in current full version.	
ME-SK MUX ME-4610	MUX StartKit with: ME-Jekyll ME-4610 + cable of your choice + ME-MUX32-M.	

--- Recommended accessory for the ME-Jekyll ME-4610... ---	
For applications with high precision and optimum noise immunity:	
ME AK-D78/HQ/x	x = 0.5 m, 1 m or 2 m high quality cable. 78-pin D-sub male to female, 1:1 contacted. Metal housing and 2 lines of cable.
ME AK-D25/HQ/1	1 m high quality cable. 25-pin D-sub male to female, 1:1 contacted. Metal housing.
ME AK-D25/2	2 m standard cable. 25-pin D-sub male to female, 1:1 contacted. Standard cable.
ME AB-D78M/4660	Deluxe terminal block. 78-pin D-sub male to BNC and pluggable spring terminals as well as 25-pin D-sub male to pluggable spring terminals. In a robust metal box or in a DIN rail mountable card carrier (-H).
ME AB-D78M/4660-H	
Alternative:	
ME AB-D78M/S	Deluxe terminal block. 78-pin D-sub male to pluggable spring terminals as well as 25-pin D-sub male to pluggable spring terminals. In a robust metal box or in a DIN rail mountable card carrier (-H).
ME AB-D78M/S-H	
ME AK-D78/HQ-OE/1	In cases you don't want to use a terminal block: 1 m high quality cable. 78-pin D-sub male and open ends.
For uncritical applications with higher signals:	
ME AK-D78/x	x = 0.6 m, 1 m or 2 m standard cable. 78-pin D-sub male to female, 1:1 contacted.
ME AK-D25/HQ/1	1 m high quality cable. 25-pin D-sub male to female, 1:1 contacted. Metal housing.
ME AK-D25/2	2 m standard cable. 25-pin D-sub male to female, 1:1 contacted.
ME AB-D78M	Standard terminal block. 78-pin D-sub male to spring terminals. In a DIN rail mountable card carrier.
ME AB-D25M	Standard terminal block. 25-pin D-sub male to spring terminals. For on-board digital ports.
Expand analog inputs/outputs with signal conditioning and/or analog multiplexers/demultiplexers:	
ME-SIG32	32 channel analog signal conditioning for plug-on modules, for RTDs, thermo couples, strain gauges etc.
ME-MUX32-M and -S	32-to-1 analog multiplexer , expands the analog inputs up to 256 and more.
Expand the on-board digital ports:	
ME AK-D2578/4000	1 m special cable. 25-pin D-sub male to 78-pin D-sub female, use to connect 1x ME-63Xtend.
ME-63Xtend series	External expansion boards , DIN rail mountable, with relays or opto-isolation. 16 channels.
Alternative:	
ME AK-D2515/4000	1 m cable. 25-pin D-sub male to 2x 15-pin D-sub male, use to connect 2x ME-UB.
ME-UB series	External expansion boxes , with relays or opto-isolation. 8 channels. Use any combination of: ME-UB15, ME-UBRE, ME-UBOI, ME-UBOO. Alternative to ME-UB15: Terminal block ME AB-D15F.
ME AB-D15F	Standard terminal block. 15-pin D-sub female to spring terminals. Can be used as alternative to ME-UB15.
Further accessory:	
ME AB-D78M/P-H	Deluxe terminal block. 78-pin D-sub male to IDC and prototyping array for user signal conditioning. In a DIN rail mountable card carrier (-H).

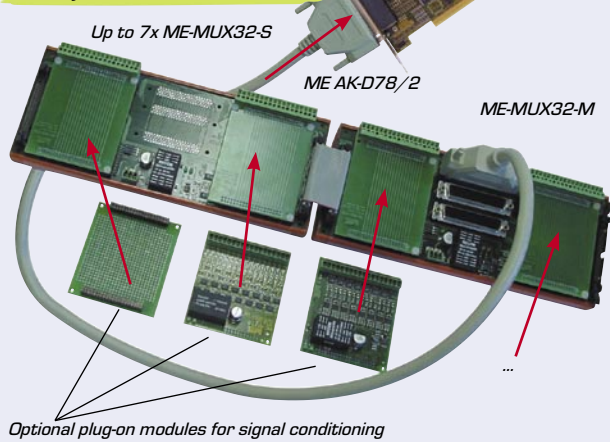
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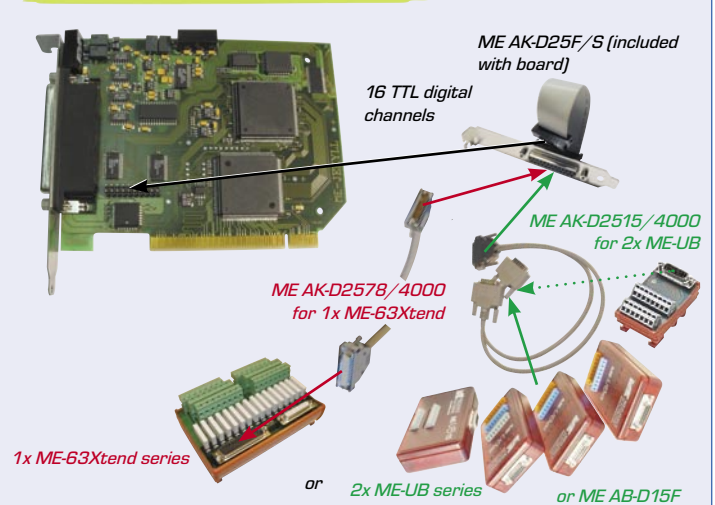
ME-Jekyll ME-4610 + cable/terminal blocks



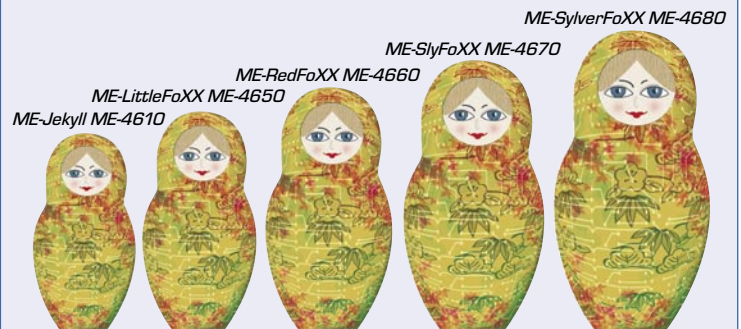
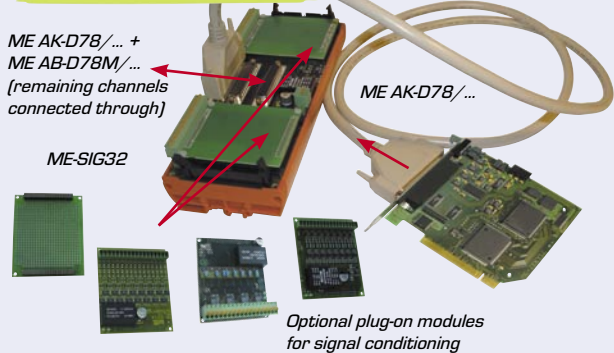
ME-Jekyll ME-4610 with ME-MUX32



ME-Jekyll ME-4610 + ME-UB or ME-63Xtend



ME-Jekyll ME-4610 with ME-SIG32



Protection of your investment made easy:
Same connector pin-out, software and functionality - upgrades with no ifs, ands, or buts!



--- Specifications ---

Analog inputs

Number	16 single-ended
Ranges	±10 V
FIFO	1 k FIFO (1024 values) for conversion with channel list
A/D conversion	High precision converter 16 bit/500 kHz
Trigger	External digital trigger (on rising, falling, both edges); TTL

Digital I/O

Number	4x 8 bit TTL I/O ports, each port programmable as inputs/outputs. 2 ports on D-sub, 2 ports on-board IDC
Level	TTL level

Counter

Number	3 independent 16 bit counters, 8254 compatible
Level	TTL
Lines	All lines (Clock, Gate, Out) of all counters wired to connector

General

Bus interface	32 bit/33 MHz PCI Local Bus 2.1 compatible
Settings	Via software; Windows Plug'n'Play
Size (mm)	135 x 107 (without slot bracket/connector)
Connectors	78-pin D-sub female, pin field on board (2x 8 bit TTL digital I/O ports C/D). A flat ribbon cable with 25-pin D-sub female and slot bracket (ME AK-D25F/S) is included; uses a second slot of the PC