

16 Channel Analog Output for Voltage and Current

ME-1600

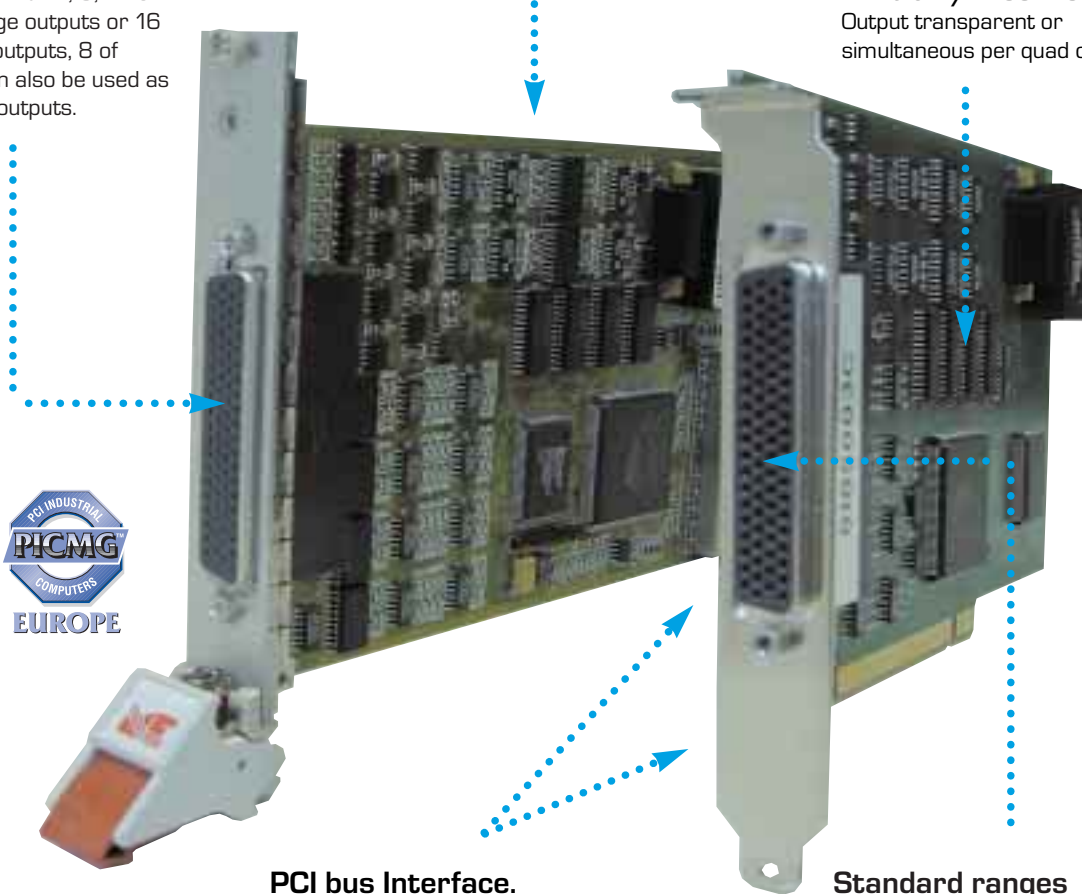
16 outputs for voltage, 8 outputs for current.

Available with 4, 8, 12 or 16 voltage outputs or 16 voltage outputs, 8 of them can also be used as current outputs.

Control analog positioning elements with current or voltage signals from your PC.

12 bit D/A conversion.

Output transparent or simultaneous per quad converter.



PCI bus Interface.

- PCI Local Bus 2.1 compatible. Plug'n'Play.
- Fully compatible CompactPCI version.

Standard ranges 10 V, 20 mA.

- Output ranges software-selectable.
- Voltage range 0...10 V or ± 10 V; current range 0...20 mA or 4...20 mA.
- Current outputs short circuit proof and readjusting.



Software:

Including: ME-Power-CD with...
 Drivers for **Windows** 98, Me, NT, 2000, XP. Supports Visual C++ >4.0, Delphi >2.0, Visual Basic >4.0 und Borland C/C Builder.
 Driver for **Agilent VEE** and **LabVIEW**.
 Support software for **Linux** Open Source (C source code for Kernel 2.2 - 2.4).
 Support software for **VxWorks** (for C, for Intel-based systems) and **GNX** (Gnu C).
 Utilities, examples, demos.
 Online documentation, English and German, for Acrobat Reader (printed manuals as an option (extra charge)).

Accessories:

Cable ME AK-D78/1
 1 m, 1:1, 78-pin, D-sub male-female.
Terminal block ME AB-D78M
 78-pin D-sub male and spring terminals
Prices: www.meilhaus.com/e_me

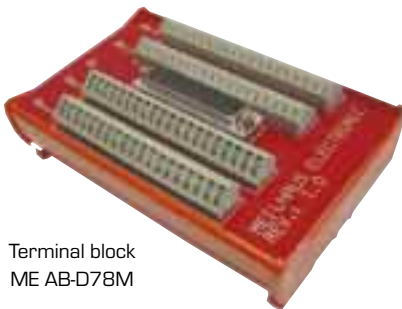
Ordering Code:

ME-1600/4 U PCI
ME-1600/8 U PCI
ME-1600/12 U PCI
ME-1600/16 U PCI
 PCI board. 12 bit D/A-board with 4, 8, 12 or 16 voltage outputs.
ME-1600/4 U cPCI
ME-1600/8 U cPCI
ME-1600/12 U cPCI
ME-1600/16 U cPCI
 CompactPCI board. 12 bit D/A board with 4, 8, 12 or 16 voltage outputs.
Prices: www.meilhaus.com/e_me

	ME-1600 PCI	ME-6000i	ME-6000 Island	ME-6100i	ME-6100 Island
Range 0...10 V	√	-	-	-	-
Range ±10 V	√	√	√	√	√
Range 0...20 mA	√ (model 16U8I)	-	-	-	-
Range 4...20 mA	√ (model 16U8I)	-	-	-	-
4 channels	√	√	√	√	√
8 channels	√	√	√	√	√
12 channels	√	-	-	-	-
16 channels	√	√	√	√	√
Opto-isolation with common GND	-	√	-	√	-
Opto-isolation with no CGND	-	-	√	-	√
12 bit D/A conversion	√	-	-	-	-
16 bit D/A conversion	-	√	√	√	√
Waveform-generator/FIFOs	-	-	-	√ (channel 1 - 4)	√ (channel 1 - 4)
High precision 16 bit output	-	√	√	√	√
For PCI bus	√	√	√	√	√
For CompactPCI bus	√ (models cPCI)	-	-	-	-



Cable ME AK-D78/1



Terminal block
ME AB-D78M

Ordering Code:

ME-1600/16 U 8 I PCI

PCI board. 12 bit D/A board with 16 voltage outputs, 8 of them also as current outputs.

ME-1600/16 U 8 I cPCI

CompactPCI board. 12 bit D/A-board with 16 voltage outputs, 8 of them also as current outputs.

Prices: www.meilhaus.com/e_me

Model Overview:

ME-1600, ME-160

Chan.	Type	Resol.	Model	Bus
4	Voltage outputs	12 bit	ME-1600/4U PCI	PCI
8	Voltage outputs	12 bit	ME-1600/8U PCI	PCI
12	Voltage outputs	12 bit	ME-1600/12U PCI	PCI
16	Voltage outputs	12 bit	ME-1600/16U PCI	PCI
16	Voltage outputs, 8 of them also as current outputs	12 bit	ME-1600/16U8I PCI	PCI
4	Voltage outputs	12 bit	ME-1600/4U cPCI	CompactPCI
8	Voltage outputs	12 bit	ME-1600/8U cPCI	CompactPCI
12	Voltage outputs	12 bit	ME-1600/12U cPCI	CompactPCI
16	Voltage outputs	12 bit	ME-1600/16U cPCI	CompactPCI
16	Voltage outputs, 8 of them also as current outputs	12 bit	ME-1600/16U8I cPCI	CompactPCI
4	Voltage outputs	12 bit	ME-160/4 ISA	ISA*
8	Voltage outputs	12 bit	ME-160/8 ISA	ISA*
12	Voltage outputs	12 bit	ME-160/12 ISA	ISA*
16	Voltage outputs	12 bit	ME-160/16 ISA	ISA*

* "Classic" ISA models available while stock lasts. After that, boards can be ordered at higher number of pieces only, for running applications.

Specifications:

ME-1600

Analog outputs

Number	Depending on model 4, 8, 12, 16 voltage outputs or 16 voltage outputs, 8 of them as current and/or voltage outputs
D/A converter	12 bit; 1...4 quad converters with 4 channels each
Ranges	Voltage outputs: 0...10 V or ±10 V. Output current ±2 mA per channel Current outputs: 0...20 mA or 4...20 mA selectable per channel; short circuit proof and readjusting; current output circuitries are in parallel to the voltage outputs, so voltage and current outputs can operate simultaneously

General

Bus interface	32 bit StandardPCI bus or CompactPCI bus. PCI Local Bus 2.1 compatible
Size (mm)	PCI: ~ 174 x 98; CompactPCI: 160 x 100 (3 U Europacard)
Connectors	78-pin D-sub female