MADC

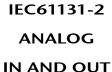## APPLICATIONS

The **EM MODULE MADC** is the perfect USB analog/digital converter module. It is a german engineered and high quality USB extension module, offering the highest performance in tough environments.

_ Rugged Industrial Module
_ Automatic Control Panels
_ Information Systems
_ Measurement &
  Quality Control
_ Automotive

IEC61131-2

ANALOG

IN AND OUT

Connect up to seven modules per TB-M/TB-H to your system.

Easy programmable. Configure your system to your individual requirements.

12 control LEDs for monitoring. Each LED is individual programmable.

Extreme temperatures from -40 °C to +85 °C are supported.

8 analog inputs (12 Bit) and 2 analog outputs (10 Bit).

Designed for hat rail / DIN rail mounting.

HIGH QUALITY
MADE IN GERMANY

E.E.P.D.

...just embedded!

SPECIFICATIONS

Analog inputs	8x 12 Bit; 4 to 20 (mA) or 0 to 5 / 0 to 10 / -10 to 10 (V)
Analog outputs	2x 10 Bit; 0 to 10 / -10 to 10 (V)
Connector	Molex 26-pin Microclasp™
Status LEDs	12 LEDs
USB client port	1 USB 2.0	USB 1.1	Type A
Power supply	USB VCC (+5 V supply, current limited to 500 mA)
Fanless	Designed for fanless operation
Max. operating temp.	-40°C to +85°C ambient
Max. storage temp.	-40°C to +85°C ambient
Max. rel. humidity	95 % @ 40°C, non-condensing
Housing	ABS-PC
Mounting	TB-M and TB-H module mounting Hat rail / DIN rail Stand alone
Dimensions approx.	93 x 39 x 27 mm
Weight approx.	40 grams
Conformity	CE, ROHS, REACH
OS support	Microsoft® Windows® 10; Microsoft® Windows® 10 IoT; Linux Kernel 3.4 or later
Control Type	Virtual Com Port

THE WORLD IS ANALOG
INTERFACE TO THE REAL WORLD

Cable Option

OVERVIEW

The EM MODULE MADC is the perfect analog to digital and digital to analog USB module. The 12 Bit analog inputs and 10 Bit analog outputs, conforming to DIN EN 61131-2.

SUMMARY

► 8 analog inputs
►2 analog outputs
► 12 status LEDs
► Selectable power and current ranges

Ordering Code System	Description	Type
IMADCAA0	USB Module	8x 12-Bit analog IN	2x 10-Bit analog OUT Rail Mounting	GREY
IMADCAA30	USB Module	8x 12-Bit analog IN	2x 10-Bit analog OUT Rail Mounting	MAGENTA
IMADCAC0	USB Module	8x 12-Bit analog IN 2x 10-Bit analog OUT Hat rail or stand alone mounting GREY USB cable 80 cm

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