



## APPLICATIONS

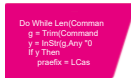
The **EM® MODULE MADC** is the perfect USB analog/digital converter module. It is a german engineered and high quality USB extension module, offering the highest performance in tough environments.

- \_ 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 LED's 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).

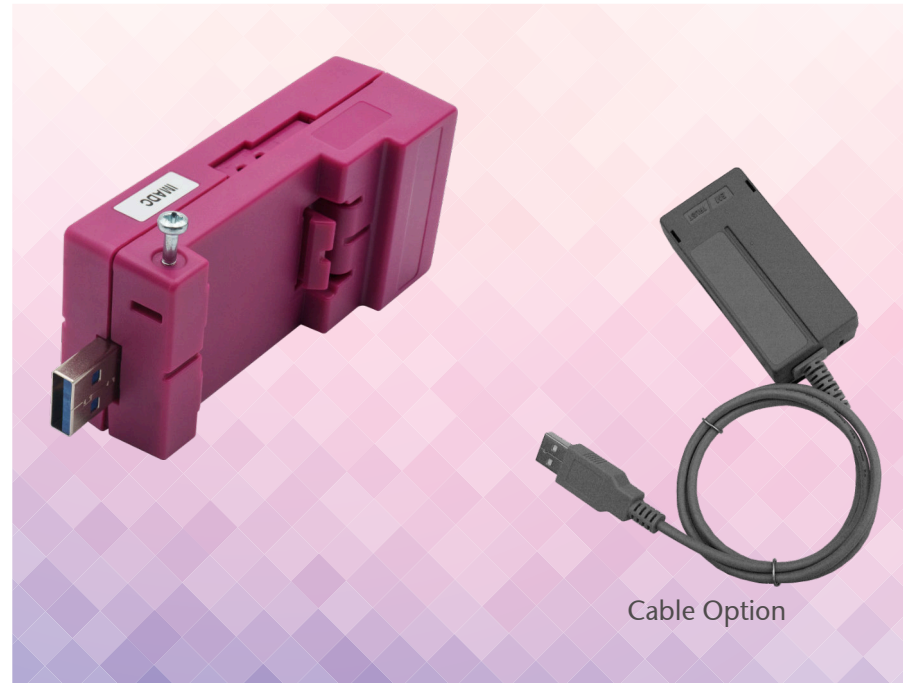


Designed for hat rail / DIN rail mounting.

## 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 LED's	12 LED's
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

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

## 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 LED's
- ▶ Selectable power and current ranges

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