

APPLICATIONS

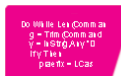
The **EM MODULE MADC** is the perfect USB analog / digital converter module. It is a german engineered and high quality USB extension module, offering the highest performance in tough environments.

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

AD INPUT AND OUTPUT



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 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)
Analog connector	26 pin Molex Microclasp™
USB client port	1 USB 2.0 / 1.1 Type A Cable solution (optional)
OS support	Visual COM port configuration Microsoft® Windows® 7 Microsoft® Windows® 10 Microsoft® Windows® 10 IoT Core Linux Ubuntu 16.04.1 LTS
Power supply	USB VCC (+5 V supply, current limited to 500 mA)
Housing	ABS-PC
Dimension	93 mm x 38,5 mm x 26,6 mm
Weight	Approximately 40 grams
Mounting	EMTrust TB-M and TB-H module mounting, hat rail mounting
Cooling	Designed for fanless operation
Conformity	CE, ROHS, REACH
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

ANALOG TO DIGITAL CONVERTER

FLEXIBLE MEASUREMENT BY LOGICAL PROGRAMMING



read analog inputs and control analog outputs



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 digital inputs
- ▶ 2 digital outputs
- ▶ Selectable power and current ranges

