

APPLICATIONS

The **EM MODULE MGPI** is the perfect USB module for free programmable inputs and outputs. The interface is designed for an absolute maximum voltage of 30 V. 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 I/O + ANALOG INPUT



Connect up to seven modules per TB-M / TB-H to your system. For up to 224 inputs and 224 outputs with a TB-M + 3x TB-H system.



Easy programmable, API interface or direct control. Configure your system to your individual requirements.



2 analog inputs 500 kHz/10-Bit.



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



16 status LEDs, I/O synchronised or independently controlled.



Designed for hat rail mounting.



SPECIFICATIONS

GPIO	8 inputs and 8 outputs
Digital input	Max. 30 V / high impedance
Digital output	Max. 30 V / max. 1 A / OC
Analog input	2 inputs max. $V_{in} / 500 \text{ kHz} / 10\text{-Bit}$
Connector	Molex 26 pin MicroClasp™
USB client port	1 USB 2.0 / 1.1 type A
OS support	Linux Kernel 3.4 or later Android Microsoft® Windows® 7 Microsoft® Windows® 8 Microsoft® Windows® 10
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

IT'S ANALOGICAL!

DETERMINE THE BEHAVIOR PIN BY LOCAL PROGRAMMING



I/O and A/D your way



OVERVIEW

The EM MODULE MGPI is the perfect USB to GPIO adapter to connect various I/Os according to the IEC61131-2 standard. 8 inputs and 8 outputs are available. Outputs are open drain with max. 1A / 30 V switching capability. Input voltage is 30 V max. In addition 2 analog inputs are provided.

SUMMARY

- ▶ 2 analog inputs
500 kHz/10-Bit
- ▶ 8 inputs and 8 outputs
- ▶ 1A high current

