



APPLICATIONS

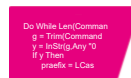
The **EM® MODULE MGPI** is the perfect USB module for free programmable inputs and outputs. The interface is designed for an absolute maximum voltage of 30 V. It is a german engineered and high quality USB extension module, offering the highest performance in tough environments.

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

IEC61131-2 I/O + ANALOG INPUT



Connect up to 7 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.



Two analog inputs 500 kHz/10-Bit.



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



16 status LED's, I/O synchronized or independently controlled.



Designed for hat rail / DIN rail mounting.

SPECIFICATIONS

Digital input	8 inputs max. 30 V high impedance
Digital output	8 outputs max. 30 V max. 1 A OC
Analog input	2 inputs max. Vin Vin max. 30 V 500 kHz 10-Bit
Connector	Molex 26-pin MicroClasp™
Status LEDs	Yes, for each digital port
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 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

DIGITAL AND ANALOG ALL COMBINED IN ONE MODULE



Cable Option

Ordering Code System	Type
IMGPIAA0	8x Digital Input 8x Digital Output 2x Analog Input Rail Mounting GREY
IMGPIAA30	8x Digital Input 8x Digital Output 2x Analog Input Rail Mounting MAGENTA
IMGPIAC0	8x Digital Input 8x Digital Output 2x Analog Input Hat rail or stand alone mounting GREY USB cable 80 cm

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. 1 A / 30 V switching capability. Input voltage is 30 V max. In addition two analog inputs are provided.

SUMMARY

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

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