

APPLICATIONS

The **EM MODULE M232** is the perfect RS232 module solution.

The **EM MODULE M485** is the perfect RS485 module solution.

These are german engineered and high quality USB extension modules, offering the highest performance in tough environments.

- _ Rugged Industrial Module
- _ Long Term Availability
- _ Easy Installation

RS-232
RS-485



M232

USB to RS232 adapter.
USB 2.0 ready



9-pin male D-SUB with standard RS232 functionality.



Designed for hat rail mounting.

M485

USB to RS485 adapter.
USB 2.0 ready.



9-pin male D-SUB with standard RS485 functionality.



Designed for hat rail mounting.

SPECIFICATIONS

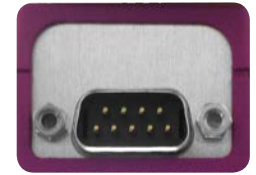
Serial port	M232: 9-pin male D-SUB connector with standard RS232 pinout max. bit rate 1 MBit/s M485: 9-pin male D-SUB connector RS485 half duplex support RS485 full duplex support max. bit rate 3 MBit/s
USB client port	1 USB 2.0 type A
OS support	Linux Kernel 3.2 or later Android Microsoft® Windows® XP (M232) Microsoft® Windows® Vista (M232) 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

VARIOUS DIFFERENT APPLICATIONS!

ACCESSIBILITY IN ALL ENVIRONMENTS AND SITUATIONS



expand your system



OVERVIEW

The EM MODULE M232 is powered by proven technology. The module is ready for USB 2.0 / 1.1 and supports one RS232 port.

The EM MODULE M485 is powered by proven technology. The module is ready for USB 2.0 / 1.1 and supports one RS485 port.

SUMMARY

- ▶ Support for RS232 and RS485 ports
- ▶ USB 2.0 ready
- ▶ Hat rail mounting