



APPLICATIONS

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
- _ Half-Duplex and Full-Duplex versions available
- _ Long Term Availability
- _ Easy Installation

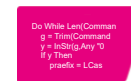
RS-485



Connect up to seven modules per TB-M/TB-H to your system.



Small installation depth.



Easy installation. Wide software compatibility.



Use the M485 in harsh and tough environments.



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

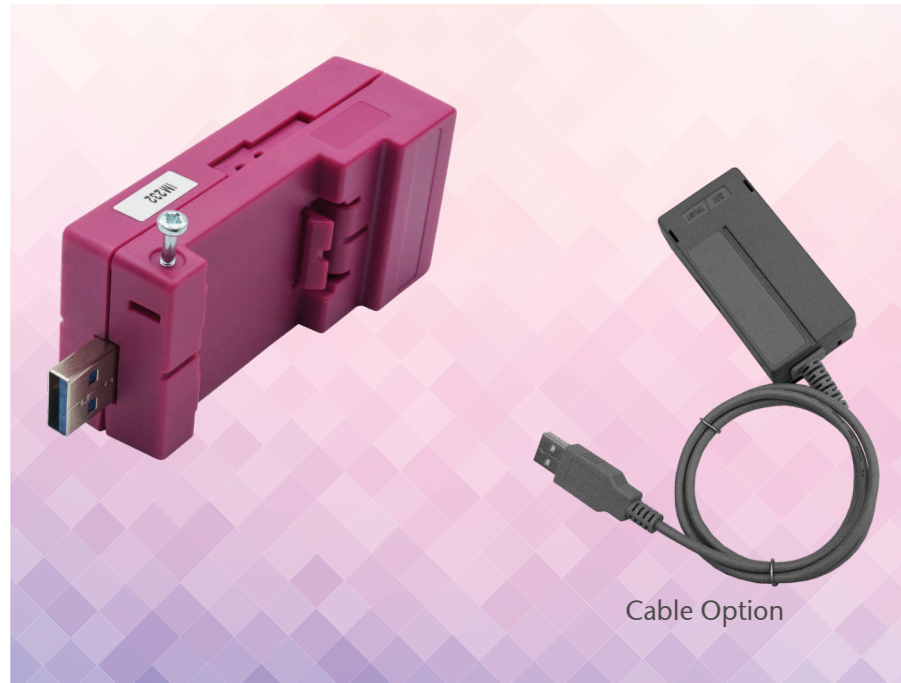


Designed for hat rail / DIN rail mounting.

SPECIFICATIONS

Serial port	9-pin male D-SUB connector RS485 half duplex support (HDX) RS485 full duplex support (FDX) max. bit rate 3 MBit/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 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 Enterprise; Linux Kernel 3.2 or later
Control Type	Virtual Com Port

HIGHLY COMPATIBLE INDUSTRIAL TEMP -40°C TO +85°C



Cable Option

Ordering Code System	Description	Type
IM485AA0	USB Module	RS-485 HDX Rail Mounting GREY
IM485AA30	USB Module	RS-485 HDX Rail Mounting MAGENTA
IM485AC0	USB Module	RS-485 HDX Hat rail or stand alone mounting GREY USB cable 80 cm
IM485BA0	USB Module	RS-485 FDX Rail Mounting GREY
IM485BA30	USB Module	RS-485 FDX Rail Mounting MAGENTA
IM485BC0	USB Module	RS-485 FDX Hat rail or stand alone mounting GREY USB cable 80 cm

OVERVIEW

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 interfaces
- ▶ Half-Duplex (HDX) and Full-Duplex (FDX)
- ▶ USB 2.0 ready
- ▶ Hat rail / DIN rail mounting

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