



# M485

**EM TRUST**  
systems you can trust

## RS-485

### 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.

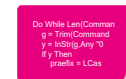
- \_ Rugged Industrial Module
- \_ Half-Duplex and Full-Duplex versions available
- \_ Long Term Availability
- \_ Easy Installation



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.

HIGH QUALITY  
MADE IN GERMANY

**E.E.P.D.**   
...just embedded!

## SPECIFICATIONS

|                      |  |
|----------------------|--|
| Serial port          | 9-pin male D-SUB connector<br>RS485 half duplex support (HDX)<br>RS485 full duplex support (FDX)<br>max. bit rate 3 MBit/s |
| USB client port      | 1USB 2.0   USB 1.1   Type A  |
| Power supply         | USB VCC (+5 V supply,<br>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<br>Hat rail<br>Stand alone   |
| Dimensions approx.   | 93 x 39 x 27 mm  |
| Weight approx.       | 40 grams   |
| Conformity           | CE, ROHS, REACH  |
| OS support           | Microsoft® Windows® 10;<br>Microsoft® Windows® 10 IoT<br>Enterprise;<br>Linux Kernel 3.2 or later                          |
| Control Type         | Virtual Com Port   |

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



| 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<br>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<br>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 RS485 interfaces
- ▶ Half-Duplex (HDX) and Full-Duplex (FDX)
- ▶ USB 2.0 ready
- ▶ Hat rail / DIN rail mounting



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**E.E.P.D. Electronic Equipment  
Produktion & Distribution GmbH**  
Gewerbering 3  
85258 Weichs - Germany  
Phone +49 8136 2282-0  
Fax +49 8136 2282-109  
Internet: [www.eepd.de](http://www.eepd.de)  
E-Mail: [sales@eepd.de](mailto:sales@eepd.de)