

RS-485 Transceiver

MICROSENS

The fiber optic transceiver for RS-485 interfaces.

The MICROSENS RS-485 transceiver offers the transmission of RS-485 bus signals over fiber.

In industrial field bus systems the RS-485 interface has established itself as a transmission media. Especially in industrial areas there are often problems with electrical cabling, because a lot of machines produce electro magnetical interference. Fiber is completely immune against electro magnetical interference.

The distance of common electric cables is limited to a few hundred meters. But the use of fiber allows to connect segments with a few kilometer distances between them.

The transceiver is compatible to the different field bus systems like Profibus, Bitbus, Interbus-S and others.

Three LEDs inform about the status of the transceiver and the data connection.



Technical Specifications

Type	Fiber optic transceiver for RS-485 interface
Connectors	1 x SUB-D 9 pin 2 x ST-connector 1 x power supply jack 2.1 mm
Fiber type	Multimode fiber, duplex, 50 or 62.5/125 μm , Single Mode fiber 9/125 μm , ST-connector
Max. fiber length	MM: 2 km, SM: 5 km
LED displays	Power, Receive, Transmit
Power supply	Ext. supply
Dimensions	66 x 44 x 21 mm (w x d x h)

Order Information

Part-no.	Description	Connectors
MS650321	RS-485 Transceiver Multimode	1 x SUB-D 9 pin 2 x ST
MS650322	RS-485 Transceiver Single Mode	1 x SUB-D 9 pin 2 x ST