

Data sheet:

Interface - Plastic fiber optic <=> RS232 Industry



Article no.: 81201

EUR 168.00

*Net price for commercial users

Universal POF converter for any RS232 interface

The model 81201 Interface transmits serial RS232 data via plastic duplex fibers over a distance of up to 100 meters. The external power makes this Interface suitable also for connecting to low-power RS232 ports.

Properties

Interfaces:

- **RS232 Interface**
 - 9-pin SUB-D connector with PC pin configuration
- **Fiber optics interface**
 - Direct connection of the fiber optic cable without a connector
 - Alternate names: POF (polymer optical fiber, plastic optical fiber)

Management and connectivity:

- **The interface is very easy to install:**
 - Cut the fiber-optic cable with a sharp knife at right angles.
 - Insert into patented adapter of the W&T interface.
 - Plug the adapter into the PC.
 - That's it!
- **No re-configuration of transmission parameters required**
- **100% protection against interfering radiation**
- **Electrical isolation**
- **Lightning protection**

Power supply:

- **External**
 - 12V-24V AC/DC via plug-in screw terminal
 - Galvanically isolated power connection
 - External supply also makes it suitable for low-power RS232 interfaces

Standards & more

- **Conforms to standards both in office and industrial environments:**
 - High noise resistance per EN 61000-6-2
 - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- **5 year guarantee**

♥ Wish for something!
Your suggestions for improvement and additions

RS232 ports do not always provide the necessary power for reliably achieving a transmission distance of 100 meters using the elegant solution of self-powered fiber optics interfaces. In these cases the model 81201 Interface with its own power source solves the problem.

Technical data

Connections and displays:

Serial port:	RS232 Interface 9-pin SUB-D adapter
Fiber-optic cable adapter:	socket with automatic interlocking of the fiber-optic cable
Baud rate:	110..115,200 baud
Data format:	any format
Galvanic isolation:	Isolation voltage min. 1 KV DC between supply and serial connection
Supported signals:	RxD, TxD
Maximum distance:	typ. 100 meters fiber optics cable
Supply voltage:	12V..24V AC/DC
Current consumption:	typ. 70mA @12V DC, 35mA @24V DC
Supply connection:	plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"
Fiber-optic medium:	Duplex plastic optical fiber cable Dimensions 2.2 x 4.4mm with a fiber diameter of 1mm Material: core: PMMA, cladding: PE
Wavelength:	approx. 660nm
Displays:	1 LED Power 1 LED Data




Housing and other data:

Housing:	Plastic housing for top hat rail installation 105 x 22 x 75mm (L x W x H)
Enclosure rating:	IP20
Weight:	approx. 100g
Ambient temperature:	Storage: -40..+70°C Operation: 0..+50°C
Permissible relative humidity:	5..95% RH (non-condensing)
Scope of delivery:	Interface - Plastic fiber optic <> RS232 Industry Please order power supplies separately as accessories

Accessories

*Net unit price for commercial users



Power supplies


Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00€	
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00€	
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€	

Cable and Connector Accessories

RS232 PC/PC cable, DB9F x DB9F, 1.8m	11992	9.90€	
--------------------------------------	-------	-------	---------------------------------------------------------------------------------------

FO-Accessories

Duplex plastic fiber optic cable, sold by the meter (Unfortunately, this article cannot be ordered as a sample.)	81100	3.50€	
Duplex plastic fiber optic, cable reel 500m (Unfortunately, this article cannot be ordered as a sample.)	81500	778.00€	


Cutting tool for plastic fiber optic cable (This article cannot be ordered as a sample. So that you can assess the cut quality we will be glad to provide you on request with an optical fiber cable which has been trimmed using the cutting tool.)	81600	438.00€	
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------	---------	------------------------------------------------------------------------------------

Replacement cutter for cutting tool 81600 (Unfortunately, this article cannot be ordered as a sample.)	81602	168.00€	
-----------------------------------------------------------------------------------------------------------	-------	---------	-------------------------------------------------------------------------------------

Mechanical Accessories

Wall mount housing, enclosure rating IP66 / IP67	11120	54.00€	
--------------------------------------------------	-------	--------	-------------------------------------------------------------------------------------

Mounting bracket for wall mounting	58812	11.20€	
------------------------------------	-------	--------	-------------------------------------------------------------------------------------

19" DIN rail	58813	21.00€	
--------------	-------	--------	-------------------------------------------------------------------------------------

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.



We are available to you in person:

Wiesemann & Theis GmbH
Porschestra. 12
42279 Wuppertal
Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5 p.m.)
Fax: +49 202/2680-265
info@wut.de

© Wiesemann & Theis GmbH, subject to mistakes and changes: Since we can make mistakes, none of our statements should be applied without verification. Please let us know of any errors or misunderstandings you find so that we can become aware of and eliminate them.

[Data Privacy](#)