USB RS232 RS485 Converters

C37, C38 & P03 USB RS232 RS485 Converters documentation

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Data Sheets

USB FTDI Converters Data Sheet

USB RS232 RS485 Converters (C37 & C38)



Features

- USB to UART or RS232/RS485 converter
- ESD protection for the RS485 data line
- Transmission speed up to 115200 bps
- Tx, Rx and power LED indicators
- Operating temperatures: -40°C to +75°C
- Compact size
- Dimensions: 55.4x20.3x11.85 mm
- 3 years warranty
- Customization of OEM is welcomed

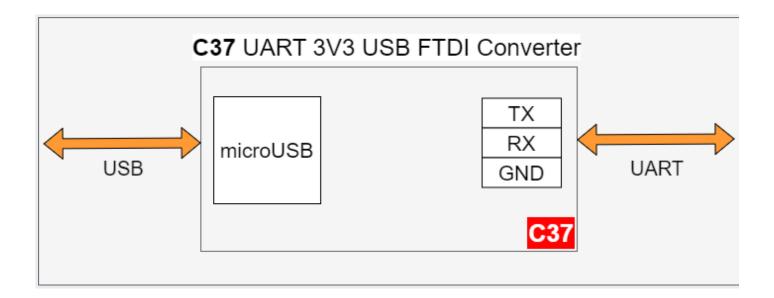
Specifications

Redisage PN	C37	C38
Ports	UART	RS232/RS485
Expanders	C37EX USB-A adapter for UART	C38EX DSUB-A adapter for RS232
Power	< 1 W	
Frame ground protection	no	

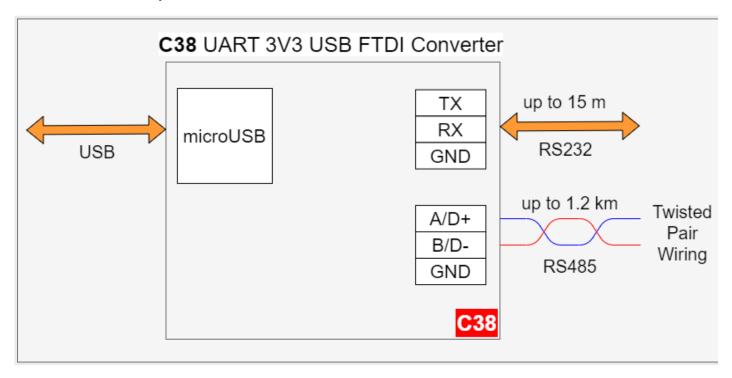
Redisage PN		C37	C38	
Baud rate		up to 11.	5200 bps	
LED indicators		communication Tx, Rx and power		
RS485 termination		120 ohm Mar	ually Enabled	
Connector RS232/UART		3-pin terminal block	3-pin terminal block max. 2.5 mm ² wire	
	RS485	N/A	2-pin terminal block max. 2.5 mm ² wire	
Transmission distance	RS232/UART	max. 15 m at 115.2 kbps		
	RS485	N/A	max. 1,200 m at 9.6 kbps; max. 400 m at 115.2 kbps (Belden 9841 2P twisted- pair cable, if different cables are used, the transmission distance may change)	
Mounting and enclosure		DIN rail, plastic PA - l	JL 94 V0, black/green	
Temperatures	mperatures -40°C to +75°C operating and stora		erating and storage	
Humidity		10 - 90% RH, non-condensing		
ESD protection		±4 kV contact discharge / ±8 kV air discharge		
Certification		CE, RoHS		

Variants

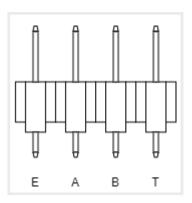
C37 - UART 3V3 USB FTDI Converter



C38 - RS232/RS485 USB FTDI Converter



Jumpers



Jumper name	C38 jumpers
E	Echo Disable
A	Pull Up 523 ohm - A Line (RS485)
В	Pull Down 523 ohm - B Line (RS485)
Т	120 ohm Termination

Pin assignments

Pin No.	C37	C38
1	NC	Tx RS232
2	VCC 3V3	Rx RS232
3	GND	GND
4	Tx UART 3V3	A RS485
5	Rx UART 3V3	B RS485

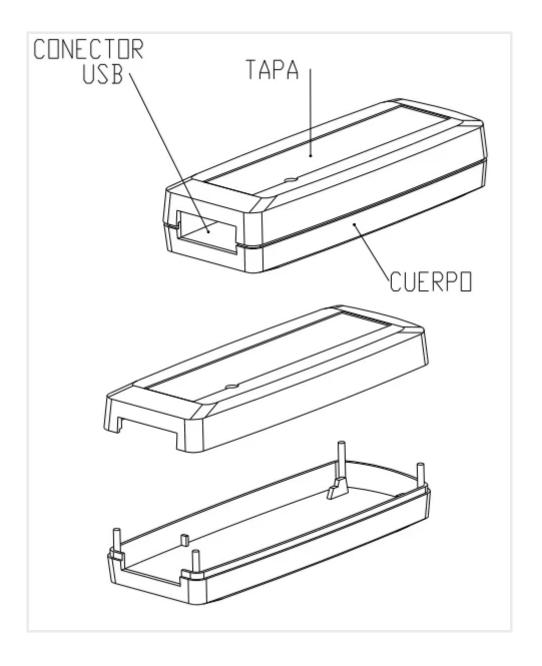
Accessories



Enclosure dimensions

Compact USB Enclosure 55.4 x 20.3 x 11.85

Units: mm



Additional notes

Related information and links		
Ordering information	<u>Accessories</u>	Similar products

Products family sample photo



https://redisage.com

DISCLAMER NOTES

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

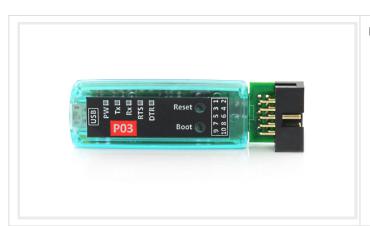
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USB FTDI ESP32 Programmer Data Sheet

USB RS232 RS485 Converters (P03)

ESP32 USB Programmer for P01 and P02 Open IoT and IIoT Gateways. It can be used to connect a gateway to a PC via a microUSB and a TAG-Connect cable.

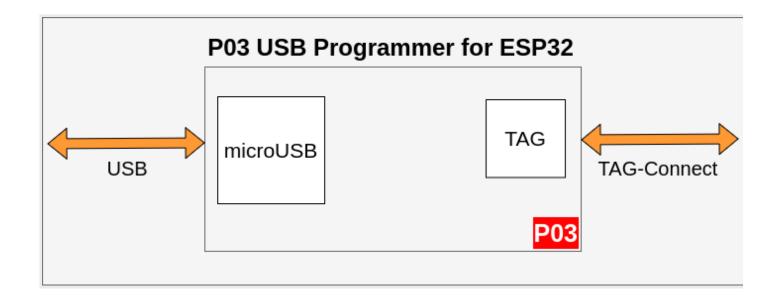


Features

- USB to TAG-Connect converter
- ESD protection
- Tx, Rx, RTS, DTR and power LED indicators
- Operating temperatures: -40°C to +75°C
- Compact size
- 3 years warranty
- Customization of OEM is welcomed

Variants

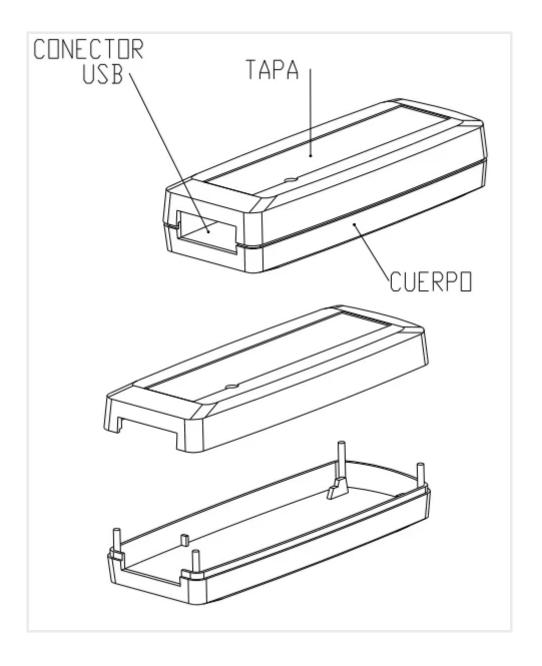
P03 USB Programmer for ESP32



Enclosure dimensions

Compact USB Enclosure 55.4 x 20.3 x 11.85

Units: mm



Additional notes

Related information and links		
Ordering information	<u>Accessories</u>	Similar products

Products family sample photo



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