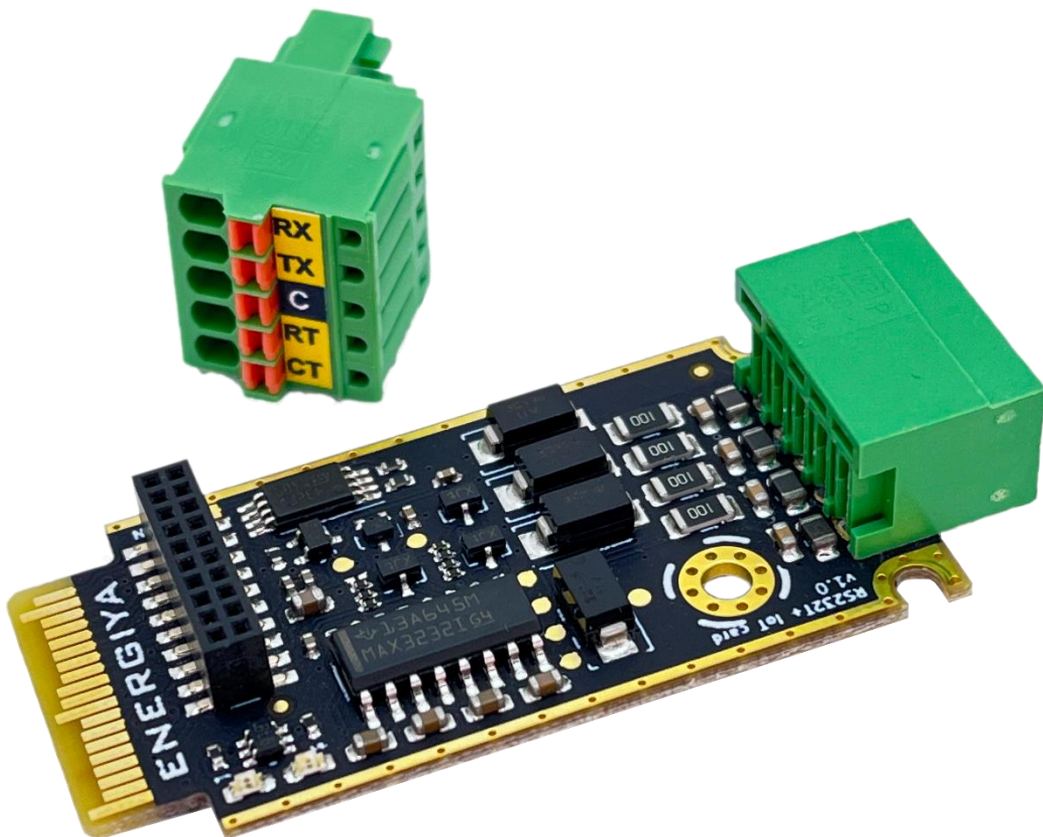


RS2T+

RS232T + IoT card



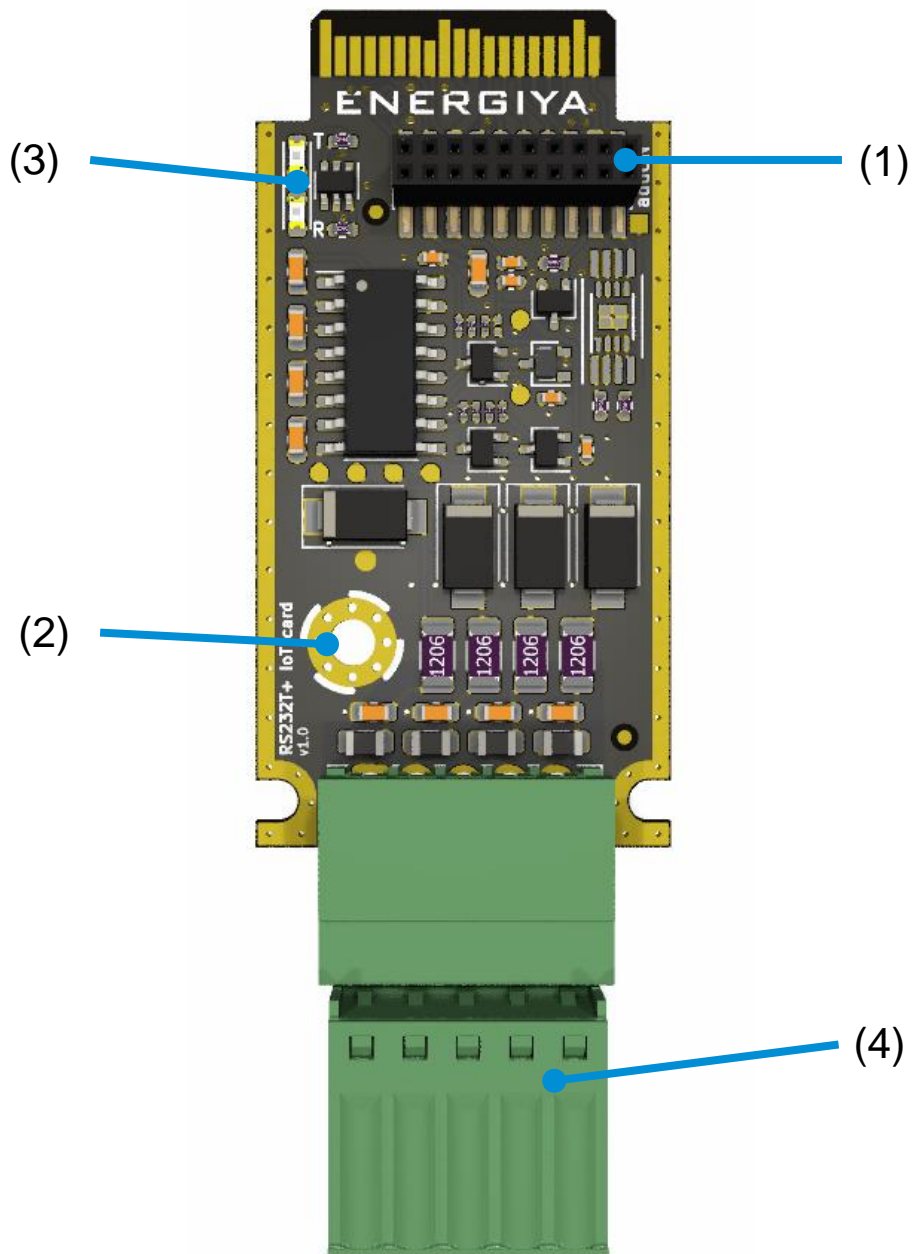


fig. 1

(1) addON socket

(2) addON mounting hole

(3) RXD and TXD LEDs

(4) screwless, pluggable terminal block

Description

The RS232+ IoT card is the standard EIA232 serial interface.

Thanks to a special connector, the device has the possibility to extend its functionality with addON expansion cards.

The IoT card is compatible with mangOH Green, Red, Yellow and FX30 / FX30S.

Mounting the card in the host

It is recommended to install the IoT card when the power is off to avoid accidental short circuits. If the card is installed with the power on, it is necessary to reboot the program.

Depending on the device used, the card is mounted using standoffs/spacers (mangOH) or rails (FX30). The IoT card also has dedicated cover for locking inside FX30.



Important! Lock the card in the host before use (in mangOH lock in the spacers, in FX30(S) use dedicated cover).



Important! Never mount or remove the addON card with power on!

Description of the terminal block connector

The following figure and table shows the description of the terminal block pins of screwless, pluggable connector on the IoT card.



fig. 4

pin 1	RX (RXD – input, Recive Data)
pin 2	TX (TXD – output, Transmit Data)
pin 3	C (Common)
pin 4	RT (RTS – output, Request To Send)
pin 5	CT (CTS – input, Clear To Send)

Specifications

Dimensions (W x H x D)	22.0 x 66.4 x 13.2 mm
Operating temp	-40 to +85°C
Weight	7.6 g
Current consumption	7 mA
Flow control	yes (CTS/RTS)
Interface connector type	screwless, pluggable terminal block
Max recommended cable length	15 m
ESD protection	yes
addON socket	yes
Latching cover for FX30	yes

Troubleshooting

Lack of communication	check the cable connection, check the CTS/RTS if required, check for a short circuit
Communication errors	check baud rate, check grounding

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