

SATEL BT-RS232 Adapter

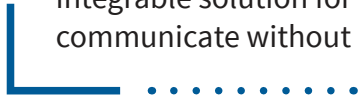


SATEL BT-RS232 is an IP66-rated robust and waterproof Bluetooth to RS-232 serial port adapter.

SATEL BT-RS232 is equipped with long range Bluetooth 2.1, that offers connection distances upto 400 meters.

Radio's integrated antenna saves space and makes it possible to install the adapter into a tight installation place.

SATEL BT-RS232 offers a compact and easily integrable solution for devices that needs to communicate without a cable connections.



SATEL – the world's leading expert and innovator in independent radio networking technology. We develop and sell high quality private radio technology solutions that enable secure, mission-critical connections.

Our mission is to enhance the success of our partners and clients through our technology and expertise.

At the heart of our solutions is **mission-critical connectivity**. We offer reliable and secure connections that keep your business running in all circumstances. It means independence through your own private radio network, and that you get the best solution, service and support.

We also offer network design services and technical support, and we have a global distributor network.

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SATEL BT-RS232 adapter

The radio module of SATEL BT-RS232 is accessed through an UART interface, which makes the programming easy. Product offers also optional GPIO interface for the future needs.

The power consumption of SATEL BT-RS232 is low, therefore it suits well also for applications where the power feed is limited.

Radio requirements

Radio parameters, EMC and Safety, are in accordance with the national requirements. Radio is currently type approved for Europe, USA and Canada.

Technical specifications

DATA MODULE	
Electrical interface	RS232
Interface connector	Phoenix 7-pin
Data speed of serial interface	115200 bps
TX power	+12 dBm with Bluetooth BR/EDR
RX sensitivity	-96 dBm
Operation mode	Slave mode

GENERAL		
Operating voltage	+9 ... +27.5 Vdc (-15 % / +20 %)	Device supply input chaining to sensor supply output may restrict voltage range i.e. sensor smaller +9 ... +27.5 Vdc range shall be considered.
Fuse requirement	2A	External fuse required to supply wire
Typical power consumption	Adapter < 1 W	(Bluetooth 0.5 W peak)
	Supply to sensor: 15 W max	
Inrush current, power turned ON	< 12 A, duration < 50 µs	RX-mode
Temperature range	-20 °C ...+55 °C	Type approval conditions
	-40 °C ...+70 °C	Functional
	-40 °C ...+85 °C	Storage
Vibration	Up to 5G	ISO 9022-3:2015 (Severity class 09)
IP rating	IP66	
Construction	Polycarbonate case	
Size L x W x T	151 x 66 x 43 mm	
Weight	192 g	
Values are subject to change without a notice.		

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