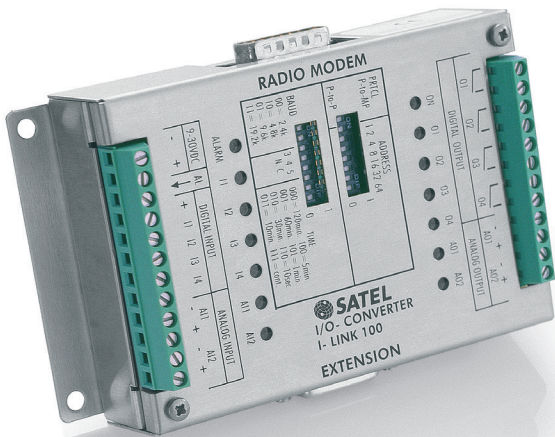


SATELLINK products

SATEL I-LINK 100



SATEL I-LINK 100 is an I/O-converter, intended to be use together with SATEL radio data modems, facilitating transparent transfer of contact information or analog signals from one location to another.

Building your own application is now even easier than before!

With the I-LINK 100 converter and SATEL radio modem you can transfer information on a switch position or the reading of a measuring gauge (analog or digital) from the point of surveillance to the control station and vice versa.

The I-LINK 100 can be used in Point-to-Point or in Point-to-Multipoint mode for transferring information between a master station and several remote stations.

In order to offer even more flexibility, Modbus compatible version is available too.

SATEL – the world’s leading expert and innovator in wireless networking technology. We design, manufacture and offer high quality connectivity solutions that enable secure, mission-critical connections, utilizing the best characteristics of each technology for real-life use cases.

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.

SATEL

Mission-Critical Connectivity

Read more: www.satel.com

SATEL I-LINK 100 I/O converter

Modular Design

SATEL I-LINK 100 has 4 digital I/O ports with built-in relays and 2 analog I/O ports. For further capacity, extension module, equipped with 6 digital I/O ports (I-LINK 300), is available. A maximum of 3 extension modules can be added. A Modbus compatible version of SATEL I-LINK 100 is available too.

The dedicated I-LINK PC software for Multipoint operating mode facilitates easy system monitoring as well as configuring of the I-LINK 100 parameters to match the system requirements.

Reliable Transmission Secured

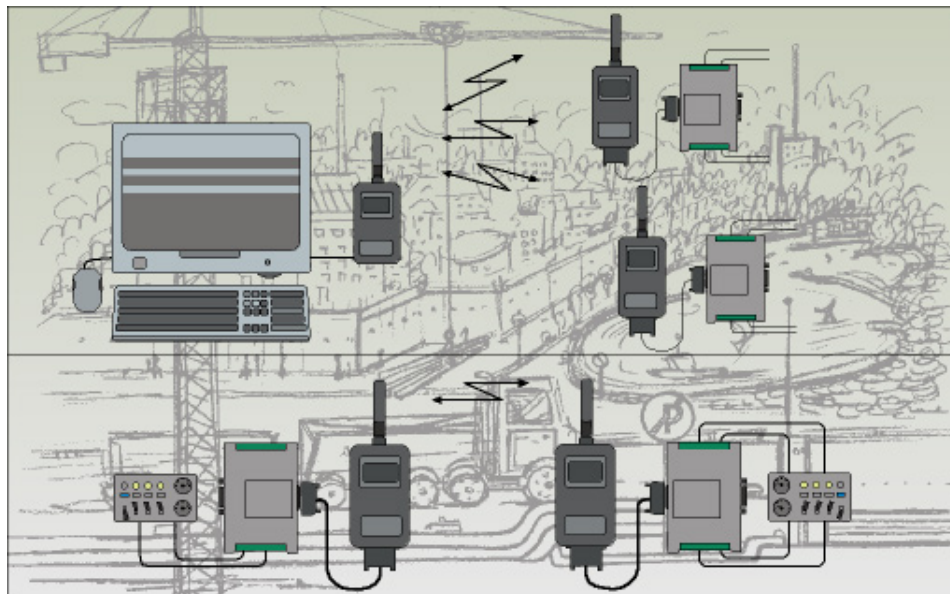
Even though the correctness of the data and other messages delivered through SATEL radio modems is technically very well secured, a CR-protocol (Confirmation of Reception) is additionally used to ensure that a control command sent by the supervisor was correctly received by the I-LINK at the controlled object site. The receiving end returns the message automatically to the sender station. In case the message does not match with the original, the I-LINK generates a visible alarm. There is also an output for an external alarm system.

Technical specifications

Operating voltage	+9 ... +30 Vdc
Temperature range	-25 °C ... +55 °C
2 Analog inputs	4 ... 20 mA (resistive 200 Ohm)
2 analog outputs	4 ... 20 mA (active)
Sample interval	Cont... 120 min (selectable)
Stability	+/- 1 % (for the whole temperature range)
Resolution	12 bits (4096 steps)
Accuracy	< 0.4 %
4 digital inputs	0 ... 35 Vdc
4 digital outputs	0 ... 250 Vac
Response time	< 500 ms
Data speed	2400 ... 19200 bps
Interface	RS-232 +/- 15 Vdc
Alarm output	0 ... 35 Vdc / 30 mA (active +30 mA)
Indicators	ON/OFF, Analog / digital IN/OUT, Alarm
Connectors	D15 (modem / extension units) Screw (inputs / outputs)
Extension unit	I-LINK 300 (6 digital I/Os)
Mounting	Wall mounting or DIN rail
Housing	Stainless steel
Size	123 x 85 x 30 mm
Weight	120 g

Values are subject to change without a notice.

Point-to-multipoint



Point-to-point

SATEL Oy

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