

SATELLINK MODBUS I/O-CONVERTERS

I-LINK 100 MODBUS

4 digital and 2 analog I/O-ports

C-LINK 100 MODBUS

4 digital and 2 pulse I/O-ports

MINI-LINK MODBUS

2 digital I/O-ports and a pulse Input

The MODBUS pulse counters and I/O-converters from SATEL Oy enlarge the SATELLINK product family. Together with SATELLINE radio modems they facilitate transparent transfer of pulses, contact information or analog signals from one location to another. In typical MODBUS systems the products can be used for the transfer of information between a Master station and several Slave stations.

From Radio Modems to Applications

The SATELLINK MODBUS products provide a significant enlargement of the scope of the SATEL wireless communication equipment. Building your own application is now even easier than before! With the SATELLINK-serie converters and SATELLINE radio modems you can transfer information on a switch position, pulses or the readings of a measuring gauge (analog or digital) from the point of surveillance to the control station and vice versa.

Modular Design

I-LINK 100 MODBUS

4 digital I/O-ports with built-in relays and 2 analog I/O-ports.

C-LINK 100 MODBUS

4 digital I/O-ports with built-in relays and 2 pulse counter I/O-ports.

MINI-LINK MODBUS

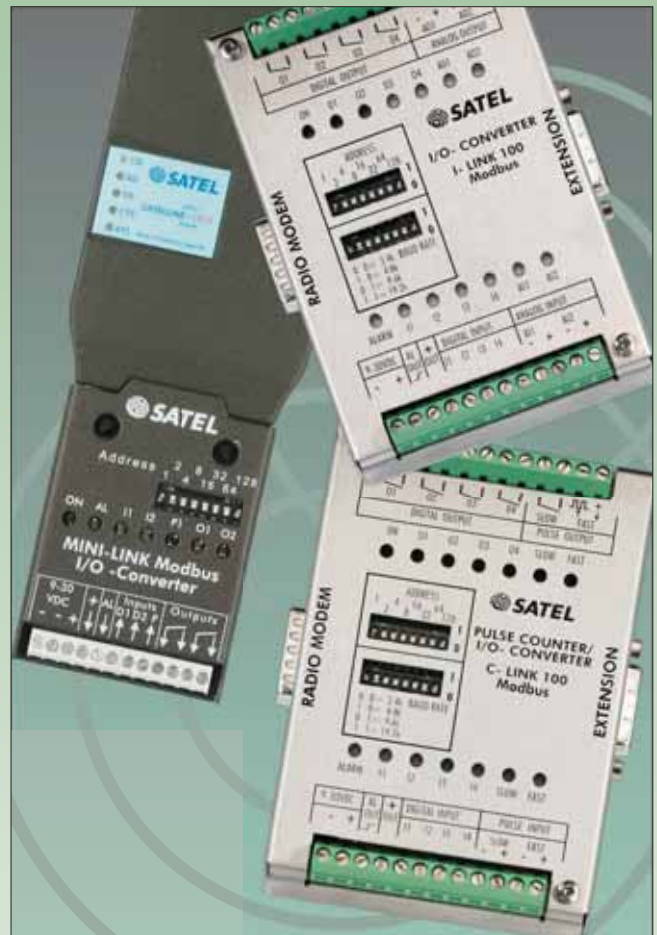
2 digital I/O-ports with built-in relays and 1 pulse counter input ports.

Expandable

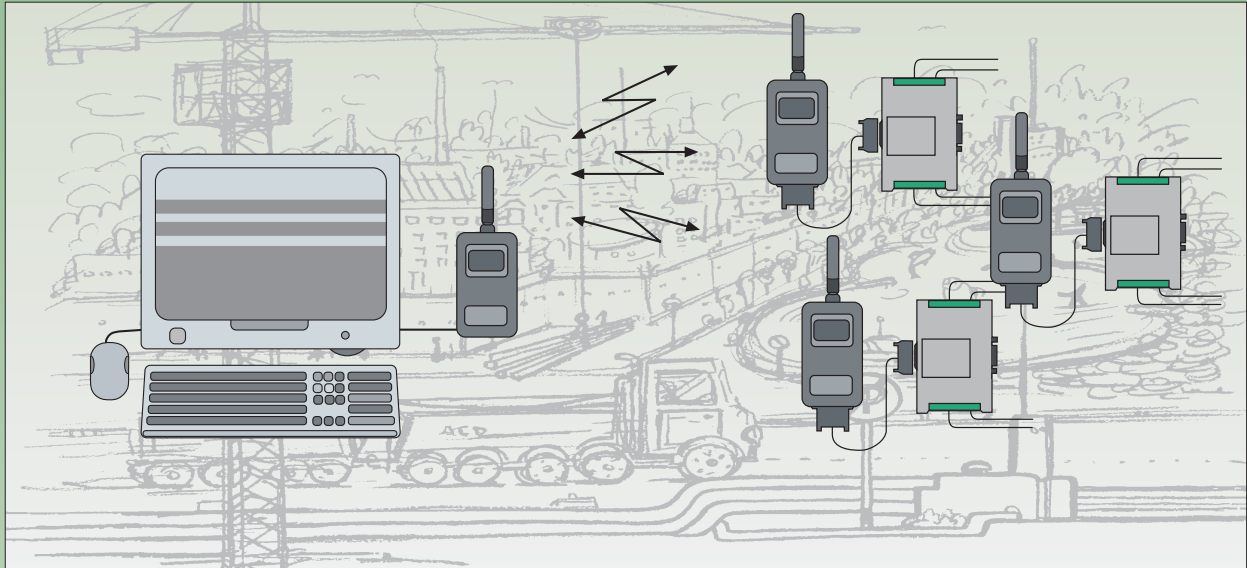
For further capacity, extension modules, equipped with analogue or digital I/O-ports, are available for I- and C-LINK series. A maximum of three extension modules can be added.

Reliable Transmission Secured

Modbus I/O-converters have a special Safe Mode security setting. With the Safe Mode-command the user can define the state of the ports in case there is a failure in transmission.



SATEL Oy is a Finnish electronics and telecommunications company that specialises in wireless data communications. It designs, manufactures and markets radio modems for data and alarm transfer systems. The main user groups include industrial companies, public organisations and private persons. Today SATEL is one of Europe's leading manufacturers of narrow-band radio modems.



Wide Range of Applications

A combination of a SATELLINE radio modem together with SATELLINK MODBUS device offers you a handy tool for setting up a great number of applications. The most usual applications include telemetry as well as remote control and surveillance.

The radio modems are typically placed at locations to which cable connection is impossible or too costly to build. A wireless connection is flexible and easy to set up. The distance between the stations included in a wireless communications network is not decisive. Ordinary range of direct contact is a few kilometres, but distances up to tens of kilometres can be handled.

Automatic Alarm

In case the message is not received in preset time, the device activates an alarm output and generates a visible alarm automatically.

Technical Specifications • SATELLINK MODBUS

	I-LINK	C-LINK	MINI-LINK	Note
INPUTS				
Digital Inputs, 0...35 VDC	4	4	2	resistive 4-5 kΩ
Analog Inputs	2	-	-	4...20 mA, resistive 165 Ω
Fast Pulse Inputs	-	1	1	max. 10 kHz
Slow Pulse Inputs	-	1	-	max. 5 Hz
OUTPUTS				
Relay contacts	4	4	2	
0...250 VAC	yes	yes	no	
0...24 VDC	yes	yes	yes	
Analog Outputs	2	-	-	4...20 mA
- stability	+/- 1%	-	-	for whole temp. range
- resolution	12 bits	-	-	4096 steps
Alarm output	0...35 VDC / 30 mA			high when active
INDICATORS				
	ON/OFF, A/D, IN/OUT, Alarm	ON/OFF, Digi, Pulse, Alarm	ON/OFF, Digi, Pulse Alarm	
GENERAL				
Housing	Stainless steel		Painted	
Size L x W x H, mm	123 x 85 x 30		64 x 47 x 14	
Weight, g	120		60	
Modem compatibility	SATELLINE-2ASxE, 3AS-serie, 1870, 2ASc		1870	
Connectors	D-15		16-pin, 2x8	
Extension compatibility	Yes		No	
Data speed, kbps	2.4...19.2	2.4...19.2	9.6	
Voltage	+9...30 VDC			
Temperature range	-25...+55 °C			
Response time	< 500 ms			
Interface	RS-232 +/- 15 VDC			
Alarm output	0...30 VDC / 30 mA			
Contact Connectors	Screw connector I/O-ports			
Mounting	Wall mounting			Optional DIN-rail

Manufacturer:



SATEL Oy, Meriniitynkatu 17, P.O.Box 142, FI-24101 Salo, Finland
 Tel. +358 2 777 7800, fax +358 2 777 7810, E-mail info@satel.com
 www.satel.com

Distributor: