

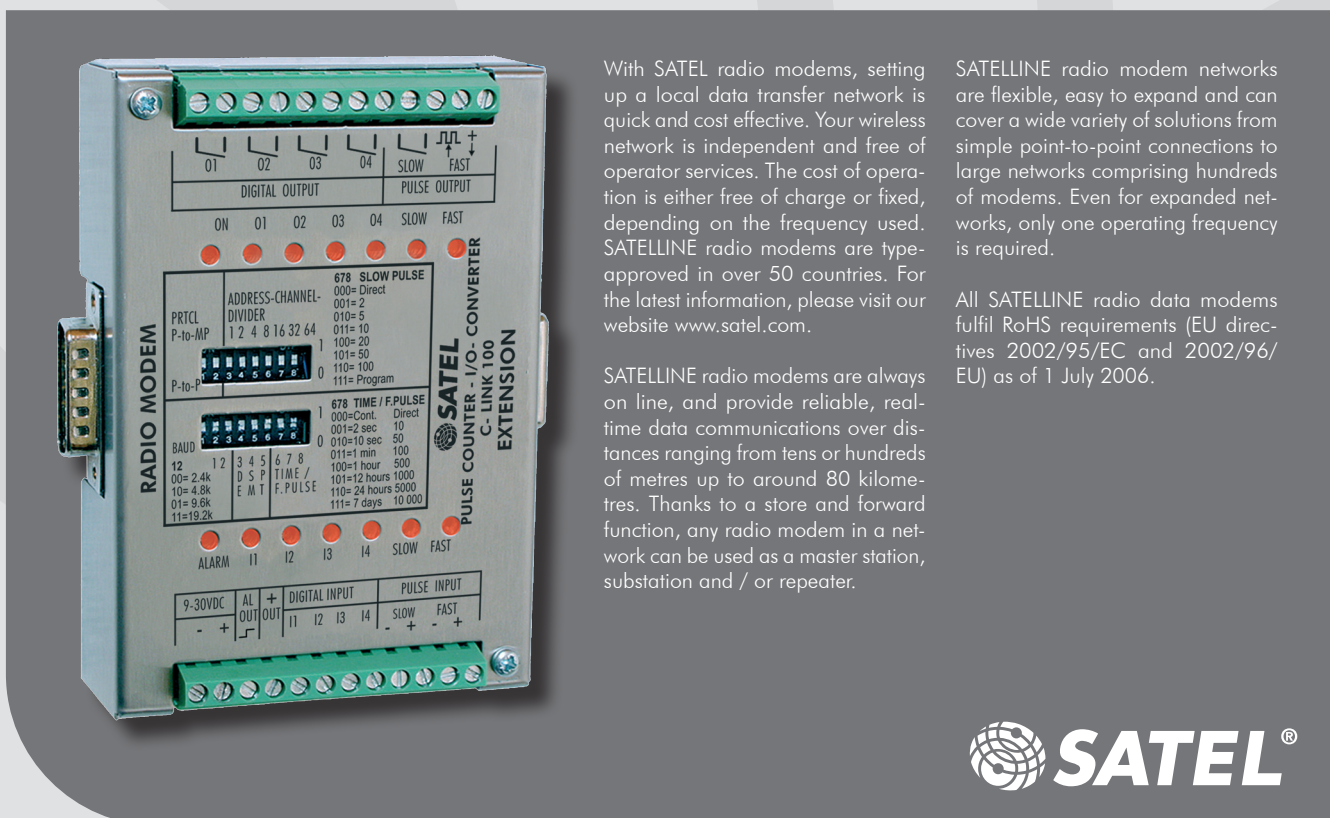
SATEL® C-LINK 100

Wireless World – Local Solution

The C-LINK complements the SATELLINK product line featuring a digital I/O-converter with a pulse counter. Together with the SATELLINE radio modem it provides a multipurpose tool for a wide range of monitoring, metering and process control applications. Setting up a wireless data communication system is easy and straightforward. Data transmission ranges vary from hundreds of metres up to tens of kilometres, depending on topology.

Building your own application is now even easier than before! The combination of a pulse counter and digital I/O-converter makes the system flexible and versatile. Digital I/O-ports can be used for driving motors and controls, at the same time that the pulse input port is used for metering other pulse information related to e.g. liquid flows or water, energy or gas consumption.

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



With SATEL radio modems, setting up a local data transfer network is quick and cost effective. Your wireless network is independent and free of operator services. The cost of operation is either free of charge or fixed, depending on the frequency used. SATELLINE radio modems are type-approved in over 50 countries. For the latest information, please visit our website www.satel.com.

SATELLINE radio modems are always on line, and provide reliable, real-time data communications over distances ranging from tens or hundreds of metres up to around 80 kilometres. Thanks to a store and forward function, any radio modem in a network can be used as a master station, substation and / or repeater.

SATELLINE radio modem networks are flexible, easy to expand and can cover a wide variety of solutions from simple point-to-point connections to large networks comprising hundreds of modems. Even for expanded networks, only one operating frequency is required.

All SATELLINE radio data modems fulfil RoHS requirements (EU directives 2002/95/EC and 2002/96/EU) as of 1 July 2006.



Versatile I/O-converter and Pulse Counter

Modular Design

The C-LINK is used for receiving and transmitting recorded pulses and digital status information through an RS-232 serial interface. The 4 digital inputs sense and receive contact closure information and gauge readings, while the pulse counter senses and counts pulses from pulse initiators.

In addition to 2 pulse inputs, the C-LINK is equipped with 2 pulse outputs. An output pulse is triggered by the pulse counter, either time based at given intervals or based on a preset pulse count. One of the outputs provides a slow pulse suitable for relay-activated devices. The other output sends pulses at 10 kHz frequency. In Multipoint mode the C-LINK can also be programmed to send a fixed frequency between 0 and 10 kHz to alter the number of revolutions of a process machine.

For further capacity, extension modules I-LINK 200 or 300, are available. A maximum of 3 extension modules can be added. And a Modbus compatible version of C-LINK 100 is available too.

Point-to-Point and Multipoint applications

In a typical point-to-point application, two C-LINK 100 units can be used for monitoring valve positions or other system status, metering flows or energy consumption and executing process control.

In a multipoint application, various information from a number of sub-stations is gathered to the master station, where it can be saved in a log file or even routed to any sub-station.

Expert's help always at hand

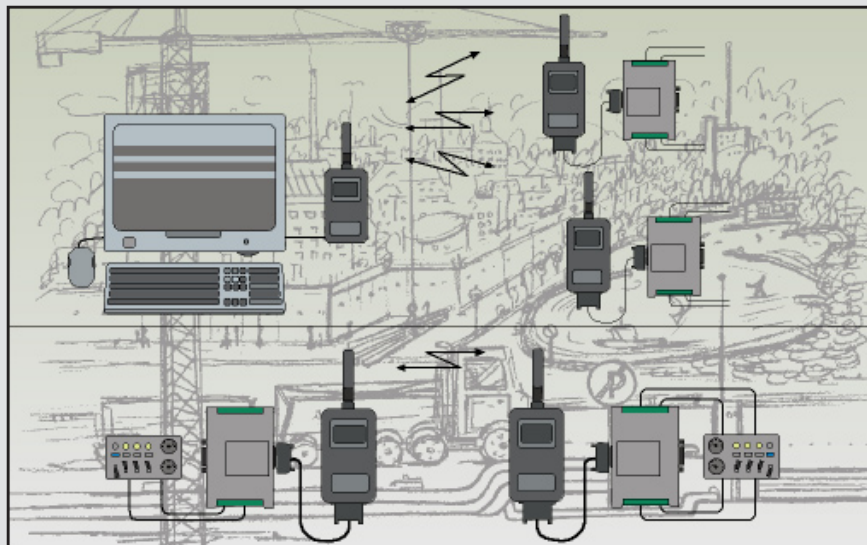
With over 20 years of experience, SATEL Oy has grown into one of the leading radio modem manufacturers in the world. As a result of our persistent and innovative work in both product design and international marketing, we now offer an extremely large selection of radio modems, and operate through an extensive and skilled distributor network all over the world.

SATEL Oy is an ISO 9001:2000 and ISO 14001:2004 certified company. The quality of our operations and products is kept as flawless and at as high level as possible.

Technical specifications SATEL C-LINK 100	
Operating voltage	+9 ... +30 Vdc
Temperature range	-25 °C ... +55 °C
2 pulse counters	0...5 Hz / 0...10 kHz
- Minimum pulse width	5 ms / 10 µs (Negative edge action)
2 pulse outputs	0...5 Hz (2 A, open relay contact) 0...10 kHz (Optoisolated)
Time based pulse count	Cont....7 days (Selectable)
Value based pulse count	1...10 000 pulses (Selectable)
4 digital inputs	0 - 30 Vdc (Resistive 4 - 5 kΩ)
4 digital outputs	0 - 250 Vac / 2A (Open relay contacts)
Response time	< 500 ms
Data Speed	2400...19200 bps
Interface	RS-232 +/- 15 Vdc
Alarm output	0 - 30 Vdc / 30 mA (Active +30 mA)
Indicators	ON/OFF, Alarm, IN/OUT
Connectors	D-15 (Modem / Extension units) Screw (Inputs / Outputs)
Extension units	I-LINK 200 (2 analog and 4 digital I/Os) I-LINK 300 (6 digital I/Os)
Mounting	Wall mounting or DIN rail
Housing	Stainless steel
Size L x W x H	123 x 85 x 30 mm
Weight	120 g
Compatibility	SATELLINE-2ASxE, 3AS-series, 1870, 1870E

Values are subject to change without notice.

Point-to-multipoint



Point-to-point

Manufactured:



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