

# SATEL® IP-LINK

## Wireless World – Local Solution

Industrial automation is increasingly being based on Ethernet and TCP/IP communication networks. Accordingly, the control PLCs are today more often equipped with Ethernet interfaces only.

SATEL IP-LINK is a logical extension of the SATELLINK product group. Like the previous product, I-LINK 100, it opens a great number of applications in the fields of wireless remote control, surveillance and data transfer.

IP-LINK together with SATELLINE radio modem facilitates wireless connections within or between Ethernet-based control and management systems. IP-LINK converts data packets transmitted on the Ethernet to a form acceptable to the radio modem, and vice versa.

IP-LINK has two IP addresses: one for the Ethernet and one for the radio modem interface. Together with a user-configurable routing table this feature makes it possible to route the data packets as desired. The data on the radio modem network can be encrypted for enhanced security and compressed to achieve higher transfer rate.



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](http://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.

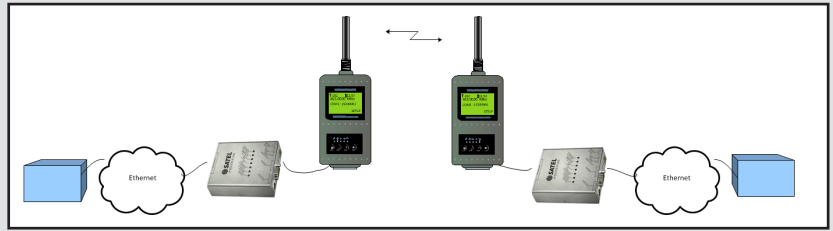
SATELLINE radio modem networks are flexible, easy to expand and can cover a wide variety of solutions from simple point-to-point connections to large networks comprising hundreds of modems. Even for expanded networks, only one operating frequency is required.



**APPLICATION EXAMPLES**

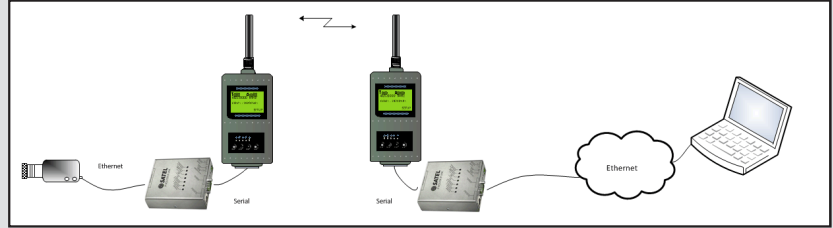
**Industrial automation**

Radio modems are used for data transfer between two TCP/IP devices ( i.e. computers or PLCs). The IP-LINKs and SATELLINE radio modems make the wireless TCP/IP connection possible.



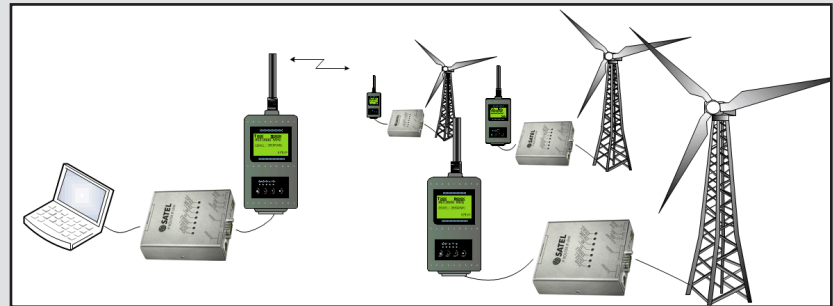
**Network camera application**

In case cable connection is not feasible, camera surveillance data is transferred using the IP-LINKs and SATELLINE radio modems.



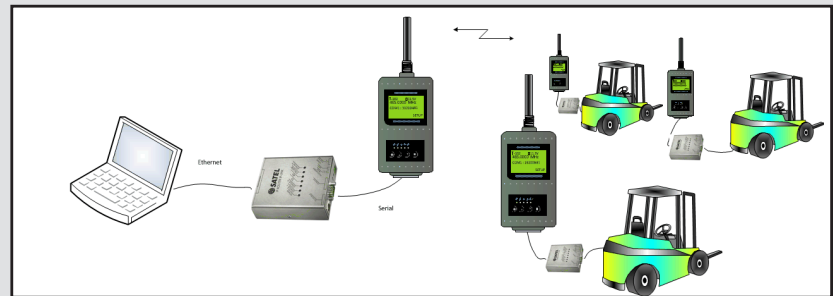
**Fixed-object application**

Critical operating data from one or more fixed devices is transferred by radio to the control centre.



**Mobile application**

In a warehouse, information on the locations and tasks of the moving vehicles constitutes an integral part of the overall logistics.



**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 9001:2008 and ISO14001:2004 certified company. The quality of our operations and products is kept as flawless and at as high level as possible.

We have also accumulated a considerable amount of know-how in different radio modem applications. So, whatever your application is, do not hesitate to ask for our expert help whenever you need it. SATEL products have been used, for example, at airports, waterworks and electricity plants for various monitoring and control applications, as well as to set up location data-based fleet management systems in cities.

Manufactured:



SATEL Oy,  
Meriniitynkatu 17, P.O. Box 142,  
FI-24101 Salo, FINLAND

Tel. +358 2 777 7800 info@satel.com  
Fax +358 2 777 7810 www.satel.com

Distributor: