

# LE70

## Radiomodem

The LE70 operates in the 868 MHz ISM license free frequency bands with Tx power up to 27 dBm. It is ideally suited for replacing communication over cables such as RS485 links (Profibus, Modbus) and half-duplex RS232 links (transparent mode), with wireless technology for use in one or two-way data links for up to 10 km in range.



### Product Features

- Range up to 10,000 m
- Configurable output power

### Networking

- Frequency: 863 - 870 MHz (EU: 500 mW, from 869.4 to 869.65 MHz)
- Modulation: GFSK
- Number of channels: 11
- ACK

- Addressed Mode
- Repeater Mode - bridge function (line propagation on the long distances)
- Listen Before Talk
- Telemetry
- Cyclic wake up
- Remote CTS/RTS control
- Hayes Mode
- Download Over-the-Air
- AES encryption

## Technical specifications

### Data

Serial data rate	up to 115.2 Kbps
Radio data rate	from 4.8 to 57.6 kbps

### Environmental specifications

Temperature	-40 °C to +85 °C
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### Interfaces

Serial interface	RS232 (Tx, Rx, Cts, RTS)
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### Electrical specifications & sensitivity

Output power	15 to 27 dBm
Power supply	8 V - 30 V DC
Maximum consumption at 500 mW	Rx: 25 mA Tx: 335 mA
Sensitivity (PER < 0,8)	-117 dBm



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