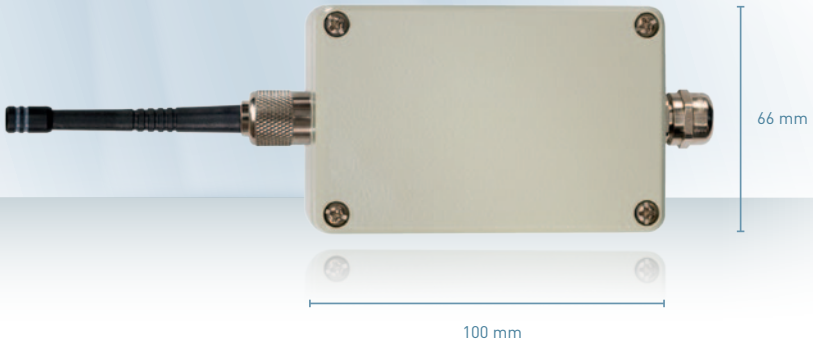
Telit wireless solutions
Making machines talk.

# LT70-868
RF Terminal

**LICENCE-FREE SYSTEM**
for Frequencies <1 GHz
Terminal




## Product Description

LT70-868 terminal operate in 865 – 869.65 MHz band with 500mW Output power and with ultra-low power standby mode, efficient wake up on radio and budget link of 144 dB.

With a power supply range of 6-40 V, supporting RS232/ RS485 / RS422 serial interfaces, advanced proprietary embedded star network with repeater mode, and a reinforced hard metal casing with removable quarter antenna, this terminal is optimal for long-range outdoor applications such as remote monitoring for the water, petroleum, and gas industries, traffic lights, and irrigation.

## Family Concept

Telit LT terminal family are the latest generation of multi-band multi-channel radio terminal with advanced proprietary embedded stack easy to integrate and use in point-to point or star network communication.

## Key Features

- Plug and play IP67 solution supporting RS 232/485/422
- Budget link of 144 dB for long distance solutions
- Star network with repeater mode


ONE STOP.
ONE SHOP. NOW, INNOVATE!

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## Product Features

- Range: Up to 10.000 m
- Output Power: 15 dBm to 27 dBm
- Serial Data Rate: Up to 115.2 Kbps
- Radio Data Rate: from 4.8 kbps to 57.6 kbps
- Sensitivity (PER ‹ 0,8): -117 dBm
- 128 kB Flash, 4 kB RAM, 2 kB EEPROM
- 32.768 kHz real time clock (RTC), 4 timers
- Configurable output power

## Environmental

- Dimensions: 100 x 66 x 46 mm
- Weight 290 g
- Temperature: -40°C to +85°C

## Electrical

- Power Supply: 6 to 40 V
- Board Consumption at 12 V:
- Rx: 8 mA
- Tx: 105 mA
- Std-by consumption:
  -external wake-up (interrupt) 1µA
  -cyclic wake-up (internal timer running) 3 µA

## Networking

- Frequency: 865 – 869.65 MHz
- Modulation: GFSK
- Number of channels:
  21 ( 11 for EU, 10 for India)
- Point to point, star network
- Serial Interface: RS232/RS485 and RS422
- ACK
- Addressed Mode
- Listen Before Talk
- Analog RSSI
- Cyclic wake up
- Remote CTS/RTS control
- Hayes Mode
- Download Over-the-Air
- AES encryption

## Optional Features

- LE70-868 modules are available in metallic IP67 casing with removable antenna.

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