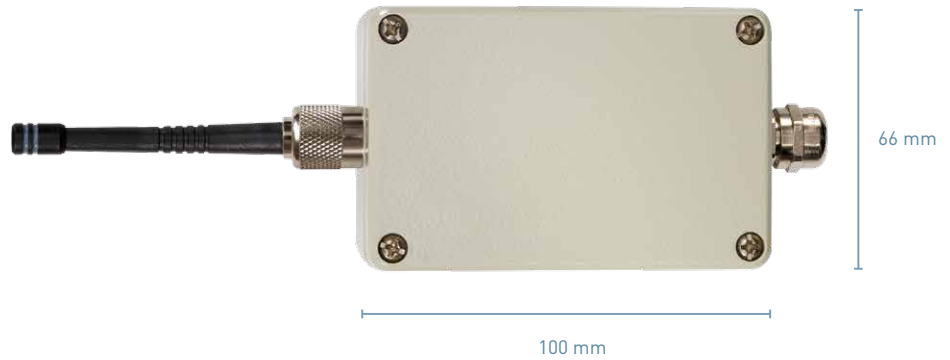


● ● **LT70-868**
RF Terminal

LICENCE-FREE SYSTEM
for Frequencies <1 GHz

Embedded



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.

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

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.

●● **LT70-868** RF Terminal

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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For a quicker and more rewarding integration experience join the Telit Technical Forum. There you can browse the first open forum covering all m2m topics, get direct support by region (EMEA, North America, Latin America, APAC), take part in this quickly growing m2m community and exchange experiences.