







100 mm

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 multiband multi-channel radio terminal with advanced proprietary embedded stack easy to integrate and use in point-to point or star network communication.



• 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) 1μΑ

-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

• 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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