



79.00 EUR incl. 19% VAT, plus shipping

- · USB Dongle!
- 863-870 MHz (EU)!

Support: Specifications | Development

LD-50H is low power-consuming, half-duplex dongle. It can wirelessly transmit data to long-distance. It is built-in high speed and low power-consuming MCU and SX1276 modulation chipset. This chipset is applied with the forward error correction technique which greatly improves interference immunity and advances sensitivity. The coding can detect errors and automatically filter out errors and false data. LD-50H is suitable for long-distance transmission or harsh environments.

- Built-in standard LoRaWAN™ FW and proprietary MOST-Link FW in the same module
- Support setting various parameters like baud rate, transmission power, transmission speed, etc
- · USB interface, could be directly connected to PC or mobile devices for development and test
- Ultra-high sensitive receiving ability by LoRa® spread spectrum modulation technology
- Long-distance transmission (1KM to 10KM)
- Instant wake up over the air
- LoRa® / FSK/ GFSK/ OOK modulation, 2-way half –duplex communication, strong anti-interfere
- Maximal output power 100mW (20dBm), output power adjustable between 5-20 dBm
- Accord FCC,ETSI,TELEC standard



[http://www.cartft.com/catalog/il/3280]

LoRa® Module GlobalSat Dual-mode LoRa® Module LM-513H

Antenna RPSMA/ 50 Ohm

863 ~ 870 MHz (EU)

Frequency 902 ~ 928 MHz (US)

920 ~ 928 MHz (ROA)

Connection Type USB Type-A

Transmission Media UART

UART Baud rate: 57600 bps

Parity: 8N1

Operation Voltage 3.5 ~ 6 V

Receiving: 33 mA (Typical)

Current Consumption Transmitting: 140 mA (Typical)

Sleeping: 10.3 mA (Typical)

LoRaWAN™: 1 ~ 10 KM @ 980 bps

MOST-Link: 1  $\sim$  10 KM @ 0.81 Kbps

Receiving Sensitivity

LoRaWAN™: -132 dBm @ 980 bps

MOST-Link: -132 dBm @ 0.81 Kbps

Operation Temperature  $-40 \sim 85$  Storage Temperature  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ 

Operation Humidity  $5 \sim 95\%$  (non-condensing)
Dimensions:  $22 \times 64.5 \times 12$  mm, 13g
Certification CE(RED), FCC, Telec
Accessories: LoRA Antenna x1