



Dimension: 30×30×3mm

Weight: 8 g

Features

Support LoRa for Long Work Range & Low Power Consumption

Work as TX/RX Mode

Adjustable Frequency from 410 to 470 MHz

Surface-Mounted Design and Small Size for Easy Integration

Channel Spacing at 12.5 kHz

U70 Datalink Module

The U70 datalink module is a RX/TX data link module with the entire range of 410-470 MHz and 12.5 kHz channel spacing, which supports LoRa modulation technique to provide a long work range and low power consumption. With the surface-mounted design and small size, it is easy for GNSS related integration.

General

| | |
|---------------------|-------------|
| Frequency Range | 410-470 MHz |
| Channel Spacing | 12.5 kHz |
| Work Mode | Half-duplex |
| Frequency Stability | 1.5ppm |
| Modulation System | CSS |
| Air Baud Rate | 12 Kbps |
| Protocol Type | LoRa |

Electrical

| | |
|------------------|------------------|
| Power Supply | +3.3V ~ +3.6V DC |
| Emission Current | < 2A |
| Received current | 50 mA |
| Transmit Power | 33dBm ± 1.5dB |

Physical

| | |
|-----------------------|--------------------------------|
| I/O Interface | LGA 2×22 pin, pin pitch 1.27mm |
| DTE-DCE Interface | 3 × LVCMOS 3.3V |
| Antenna Interface | IPEX female connector |
| Size (with connector) | 30×30×3mm |
| Weight | 8 g |

Environmental

| | |
|-----------------------|------------------|
| Operating Temperature | -40 °C to +75 °C |
| Storage Temperature | -50 °C to +85 °C |