

30 mm



30 mm

**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 Data Link Module

The U70 data link 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

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