40 mm

30 mm

Size: 40mm × 30mm × 3mm
Weight: About 10g

U50
Datalink Module

The U50 datalink module is a RX/TX datalink module with the entire range of 410-470 MHz and 12.5 kHz channel spacing, which also support industry common UHF protocols. 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	GMSK
Air Baud Rate	9600/19200 bps Selectable
Protocol Type	Transparent/South- /Mac/TT450S

Electrical

Power Supply	+3.3V ~ +3.6V DC
Emission Current	< 2A (2W output power)
Received Power	0.6 W
Output Power	0.5W/1W/2W

Physical

I/O Interface	LGA 2×30 pin, pin pitch 1.27mm
DTE-DCE Interface	3 × LVCMOS 3.3V
Antenna Interface	IPEX female connector
Size (with connector)	40mm×30mm×3mm
Weight	10 g

Environmental

Operating Temperature	-40℃ to +75℃
Storage Temperature	-50℃ to +85℃

Features

Adjustable Frequency from 410 to 470 MHz

Work as TX/RX Mode

User-defined Power Level of 0.5W/1W/2W

Surface-Mounted Design and Small Size for Easy Integration

Channel Spacing at 12.5 kHz

Support 9600/19200 Air Baud Rate

Support Industry Common UHF Protocols

SinoGNSS®
By ComNav Technology Ltd.