

U Series

Datalink Module



U50



U70



U702



U703

General Specifications	Frequency Range	410-470MHz	410-470MHz	410-470MHz /863-870/902-928MHz	410-470MHz
	Channel Spacing	12.5KHz	250KHz	125KHz/250KHz/500KHz	25KHz/250KHz/500KHz
	Work Mode	Half-duplex	Half-duplex	Half-duplex	Half-duplex
	Frequency Stability	1.5ppm	1.5ppm	1.5ppm	1.5ppm
	Modulation System	GMSK	CSS	CSS	CSS
	Air Baud Rate	9600/19200 bps Selectable Selectable	12000 bps	500bps/11000bps/12500bps/ 15500bps/18000bps	500bps/11000bps/12500bps/ 15500bps/18000bps
	Protocol Type	Transparent/South- /Mac/TT450S	LoRa	LoRa	LoRa
Electrical Specifications	Power Supply	+3.3V ~ +3.6V DC	+3.3V ~ +3.6V DC	+3.3V ~ +3.6V DC	+3.3V ~ +3.6V DC
	Emission Current	< 2A (2W output power)	< 2A	< 0.2A	< 2A
	Received Power	0.6W	0.18W	0.1W	0.2W
	Output Power	0.5W/1W/2W	0.5W/1W/2W	0.025W/0.05W/0.1W	0.5W/1W/2W
Physical Specifications	I/O Interface	2×30 pin male connector pin pitch 1.27mm	2x22 pin male connector pin pitch 1.27mm	2x16Pin, Pin pitch 1.27mm	80 Pin, Pin pitch 1.27mm
	DTE - DCE Interface	3 × LVCMOS 3.3V	3 × LVCMOS 3.3V	2 × LVCMOS 3.3V	2 × LVCMOS 3.3V
	Antenna Interface	IPEX female connector	IPEX female connector	IPEX female connector	IPEX female connector
	Size (with connectors)	40×30×3mm	30×30×3mm	17mm×22mm×3mm	33mm×26.5mm×3mm
	Weight	10g	8g	5g	12g
Environmental Specifications	Operating Temperature	-40°C~+75°C	-40°C~+75°C	-40°C~+75°C	-40°C~+75°C
	Storage Temperature	-50°C~+85°C	-50°C~+85°C	-50°C~+85°C	-50°C~+85°C

Note: "-"do not support "+"conditional support "*"upgradeable

1. The true value will be affected by voltage and working temperature.
2. R: The length of heading baseline in meter.