Wireless Radio



Multi-protocol Radio

HDL460A

Satlab radio modems provide reliable data communications for mission-critical applications where a combination of stability, supreme performance and long range are required.
The HDL460A radio is the latest multi-protocol radio station of Satlab. Its adjustable multiple transmit power can easily achieve stable transmission over long distances of 20 kilometers.

KEY FEATURES

- HD OLED display.
- Real-time voltage detection.
- Compatible with major radio protocols in the industry.
- The longest communication distance with the comparison products in the industry.
- The adaptive frequency can adapt the default frequency of different manufactures 10 W, 35 W power can be set up.
- Industrial-Grade processing platform.

General Specification		
Frequency range	403~473MHz	
Operating mode	Half-duplex	
Channel spacing	25KHz, 12.5KHz	
Modulation type	4FSK, GMSK	
Operation voltage	12V	
Power Dissipation (Typical)	High power level (35W)	≤87.5 W @ DC 12V
	Low power level (10W)	≤52W @ DC 12V
Size	178 mm * 128.5 mm * 76.9 mm	
Weight	1.495 Kg	
Temperature(operation)	-30℃~+65℃	
Temperature (storage)	-50℃~+80℃	
Antenna Port	UHF, TNC	
Data Interface	LEMO 5Pin	
Rf Output Power	50dBc (10 W)	

Modem	
Protocol	HI-TARGET9600, HI-TARGET19200, TRIMTALK450S, TRIMMARK III, SOUTH9600, SOUTH19200, CHC9600, CHC19200, TRANSEOT, SATEL-3AS 25K, SATEL-3AS 12.5K
Channel Number	116
Air Baud Rate	9600 bps, 19200 bps
Modulation Type	GMSK
Serial Port Baud Rate	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
User Interface	
Display	1.3 inch (screen), 128 * 64 resolution
Button	5 buttons
Indicator	1 power light, 1 blinker
Environmental	
Waterproof	IP67
Vibration	5-2000Hz, 6Grms
Shock	40g, 11ms, half sin wave
Fall	1.2m drop

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