

HDL460A

Wireless Radio



CE



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 | SATLAB, HI-TARGET, 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 |