

D10

Overview

D10 protocol support transparent transmission, TRIMTALK, South protocol and compatible with PDL Radio, Watson Rad and Radio South. D10 radio feature greater receiver sensitivity and highperformance external radio antennas to help you achieve a greater range. It could use for the field of smart transportation, precision agriculture, surveying, geographic information and Drone RTK communication.



Feature

1. An integrated, 410-40 MHz radio.
2. Multiple protocol, compatible with conventional radio.
3. Supply Air baud rate 19200, more suitable for GNSS base station receiver and send.
4. Battery protect, widely power voltage supply.
5. Integrated screen.
6. Adjustable frequency, 64 channels for user.
7. IP67

SPECIFICATION

MODEL	D10
Frequency Range	410~470MHz
Work Module	Half duplex
Channel Gap	25KHz
Channel quantity	10 channels
Modulation	GMSK、4FSK
Operating Voltage	8-32VDC
Indicator light	Power、 Receive、 Send
Button	Channel Switch
Power consumption (typical)	Transmit high power: 3.3W Transmit low power: 2.7W receive: 0.5W
Frequency stability	≤±1.0ppm
Dimension	126×71×30mm
Weight	300g
Protect	IP67, 100% Non-condensing, 2M fall
Storage Temperature	-40~+85 °C
Operating Temperature	-40~+70 °C
Antenna Port	TNC
Antenna Port Impedance	50ohm
Data Port	Air plug connector-RS232
Serial baud rate	9600bps, 115200bps, 38400bps
Air baud rate	9600bps、 19200bps
Protocol	Transparent transmission、 TRIMTALK、 South protocol

Transmitter performance specifications:

RF output power	High power (1W) : $30\pm 1\text{dBm}$ Low power (0.5W) : $27\pm 1\text{dBm}$
RF power stability	$\pm 1\text{dB}$
Adjacent channel power	$> 52\text{dB}$

Receiver performance specifications:

Sensitivity	Better- 115dBm @BER 10-3, 9600bps
Co-channel rejection	Co-channel rejection
Block	$> -12\text{dB}$
Adjacent channel selectivity	$> 52\text{dB}$ @25KHz
Spurious immunity	$> 55\text{dB}$

Note: The above information is for reference only and may be varied at delivery. For the latest data, please contact us.

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