



DT600

TETRA DATA MODEM



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Address: HYT Tower, Hi-Tech Industrial Park North, Beihuan RD., Nanshan District, Shenzhen, China
Tel: +86-755-2697 2999 Fax: +86-755-8613 7139 Post: 518057



3W power output

Dust & Water: IEC529 Ip54

Supporting GPS

Standard PEI ,PPP/AT, interface

SDS Messages

User-friendly PC user interface

1.RXD indicator

2.TXD indicator

3.GPS working indicator

4.POWER indicator

5.ON/OFF button

6.GPS antenna interface

7.PEI interface

8.Power interface

9.Debugging interface

10.TETRA antenna interface



Specification

Basic Character

- ▶ Frequency Bands: 380-430MHz
- ▶ TX Output Power: 3W
- ▶ Receiver class A
- ▶ RF power control: 4 steps of 5 dB
- ▶ Sensitivity: -112dBm Static Sensitivity
-103dBm Dynamic Sensitivity
- ▶ Transmission mode: TDMA
- ▶ Modulation: pi/4 DQPSK
- ▶ Channel Spacing: 25KHz
- ▶ Weight: <980g (including GPS Receiver)
- ▶ Dimensions: 194mm x133mm x 46mm (HxWxD)
- ▶ Power Input: 10.8V-15.6V (typical 13.8V)

Environmental

- ▶ Dust & Water: IEC529 IP54 , maritime affairs Environmental box IP67
- ▶ Operating Temp: -30 to +70° C
- ▶ Storage Temp: -40 to +85° C
- ▶ Operating Humidity: 0% to 100%

Data Services:

- ▶ Status Messages
- ▶ SDS Messages
- ▶ Circuit Mode Data- Data Rate: 7.2kbps ★
- ▶ Packet Data: Single slot Packet Data ★
- ▶ At-command interface for applications

Accessories

- ▶ Power cable
- ▶ RS-232C data cable
- ▶ TETRA antenna
- ▶ GPS antenna (GPS Module)
- ▶ Manual

LED display

- ▶ RXD (Green), TXD (Green) , GPS signal (Green) , Power (Red)

Interface

- ▶ PEI requirement protocol : RS-232C
- ▶ AT & PPP : 2400~115200bps
- ▶ RS-232C
- ▶ Power supply connector
- ▶ Power On/Off button
- ▶ TETRA antenna connector, TNC female, 50 ohm
- ▶ GPS antenna connector, SMA female, 50 ohm

GPS Receiver (option)

- ▶ Inbuilt GPS receiver
- ▶ GPS protocols for NEMA
- ▶ -142dBm acquisition sensitivity
- ▶ -158dBm tracking sensitivity
- ▶ location time is less than 2mins
- ▶ Accuracy:5 meters (50%),10 meters (95%)

Security

- ▶ Authentication
- ▶ Encryption Algorithms TEA1,TEA4
- ▶ SwMI Authentication of MS
- ▶ PIN/PUK code Access
- ▶ Security Class(Clear / SCK)
- ▶ Temporary disable/enable(stun)
- ▶ Permanent disable (kill)

(Due to continuous technology development, functions with a ★ mark contained in this brochure will be available to future versions of DT600.)