Rugged • Reliable • Flexible

Tait radio modem

The Tait Radio Modem is a rugged and flexible data radio, offering communication equipment manufacturers and system integrators an ideal off-the-shelf solution for data transfer applications.

Utilising a proven radio platform, the Tait Radio Modem has a data transfer speed of 1200 baud using the FFSK format - providing high reliability over difficult radio paths.

The modem has been developed using leading edge technology, with a DSP-based signalling engine at its core. It is suitable as a standalone telemetry unit for use in point-to-point or point-to-multi-point data communications.

Proven, Reliable RF Platform •

DSP Based Signalling Engine •

1200 Baud Modem on Board •

Choice of Interface (3 Ports) •

Flexible Power Source 9-30V DC •

Speaker Mic

RS232

Tait radio modem

General Specifications

Channels
16 channels - Binary code signal selection
310 channels - Serial signal control

Channel Spacing
12.5 kHz
20 kHz
25 kHz

Frequency Range
For frequency band availability, contact your nearest Tait office or authorised dealer.

Transmitter Power
1, 2.5, 5 VHF (66-225MHz bands)
1, 2.5, 4 VHF (336-530MHz bands)
1, 2, 3 (806-941 MHz bands)

Operating Temperature Range
-30°C to +60°C
(-22°F to +140°F)

Input Voltage
9-30V DC Nominal

**Current Consumption at Idle
(economy setting)**
12V - 50 mA
24V - 30 mA

Receiver Sensitivity
> 117dBm (12dB SINAD test)

Selectivity
> 66dB (12.5KHz) 70db (25kHz)

Intermodulation
> 65dB

Blocking
> 94dB

Dimensions (L x W x H)
145 x 65 x 35mm
(5.7 x 2.6 x 1.4 inches)

Weight
270g
(9.5 oz)

Materials
Lightweight metal housing

Accessories
Speaker microphone
Programming lead

Key Features

• 16 channels - Binary coded signal selection

• 310 channels - Serial signal control

• Programmable 12.5/20/25 kHz channel spacing

• Operating voltage 9-30V DC

• Powerful DSP based signalling engine

• Three interfaces as standard:

  Port 1 - RX/TX audio port, external PTT, carrier detect, channel

       select and DC input

  Port 2 - 1200 baud transparent modem

  Port 3 - Speaker mic/connector (3.5mm and 2.5mm phone jack)

       for radio path testing purposes

• Programming port - Via RS232 port (port 2)

• Robust lightweight metal housing

• External LED indicator

• Comprehensive Windows™ based programming software

Tait is your complete supplier of radio communications equipment, with mobile, portable and infrastructure solutions. Tait is renowned for its flexibility, responsiveness and commitment to producing innovative world-class mobile radio communications products.

Zu beziehen über :

www.oppermann-telekom.de

Jan Oppermann
Hauptstraße 34a
D-06507 Friedrichsbrunn/Harz

Telefon :
039487-552

Fax :
039487-236