



TR430-2G 1W Wireless Digital Link

Other OEM Applications:

- ♦ Wireless RS232 link
- ♦ Wireless audio link
- ♦ Wireless alarm link
- ♦ Wireless telemetry link
- ♦ Wireless remote control
- ♦ Interoperability systems
- ♦ Remote analog to RS232 and vice versa

DESCRIPTION

The TX430-2G is a 1W **secure, robust**, digital wireless 200Kbit/sec (325Kbit/sec with limited tuning specifications) two-way link for OEM use. It is miniature (60mm x 33mm), light weight (<28gram) and low power.

Operating frequency: UHF from 460MHz to 960MHz, offering over 700 channels at the same location.

Smart automatic control: Remote on/off and gain control. RF frequency synthesizing and power control.

KISS design: Only manual control is an On/Off switch.

TR430-2G Features

- RS232 at 1.2K-200Kbaud, half duplex
- Daisy chain IIS interface
- One two way audio channel to G.729 with acoustic echo and noise cancellation.
- Remote On/Off via receiver
- Radio section
 - RF output of 30dbm (1W)
 - RF input sensitivity of -99dbm
 - Includes Forward Error Correction (FEC) =>
 - Range urban area: 1000 feet non-line-of-sight
 - Range open space: Four miles line-of-sight
- Power consumption: 3.3V/950mA in transmit mode

TR430-2G Optional features

- TCP/IP and USB interfaces
- Video link (with Module A)
- Voice cancellation
- FIPS140-2/FIPS197 Encryption
- GPS option
- Alarm I/O option
- Two analog telemetry inputs and outputs, each with 10 bit resolution and a 500Hz sampling rate