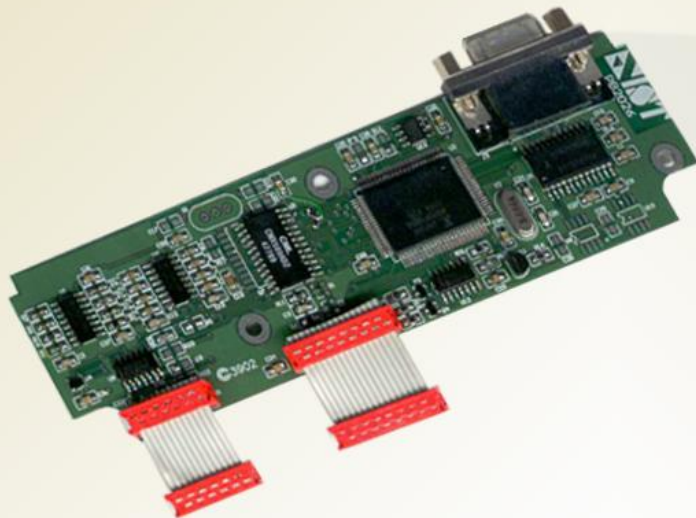




HV Sistemas S.L.

Trustworthy radio data transmission

transparent internal modem GMSK P8204 for radio TAIT T2000



The GMSK P8204 modem has been specially developed for TAIT T2000 series II radios.

The modem is built as an internal accessory board and includes the necessary connectors for an easy installation inside the radio transceiver.

This modem uses GMSK modulation (Gaussian Minimum Shift Keying) and supports radio baud rates between 4800 y 14400 bps.

This modem is transparent, i. e. it does not require to add information in its data terminal communications. The same message structure provided by the data terminal to the transmitting modem is send to the data terminal attached to the receiving modem.

Specifications*

Power supply	5V d.c., supplied by radio transceiver though accessory connector
Supply current	<100 mA
Modulation	GMSK (Gaussian Minimum Shift Keying)
Radio baud rate	4800, 6400, 7200, 9600, 12800 or 14400bps, user selectable (maximum usable data rate over radio depends on radio bandwidth and channel spacing)
Data over radio frame format	Synchronous, HDLC subset, NRZI coded and randomized. Fully compatible with P9907 modem at 4800 and 9600 bps radio baud rates
RS-232 baud rate	1200, 2400, 4800, 9600, 19200, 38400, 57600 or 115200bps, user selectable
RS-232 data format	Asynchronous, user selectable 7 or 8 bits; no parity, parity odd or even, 1 or 2 stop bits
RS-232 data connector	Female DB-9, DCE
RS-232 buffer size	RX: 2048 bytes, TX: 768 bytes
TX output level	As per 60% deviation
RX input level	As per 60% deviation
Transceiver connection	Internal to transceiver accessory connectors S13 and S14, using supplied cable and connectors
Transceiver compatibility	All Tait T2000 Series II transceivers, except trunked radios

- Specifications subject to change without notification