

Navtech Systems RF Devices

NTS-TEL-868

TELEMETRY TRANSCEIVER SYSTEM



868MHz Telemetry Transceiver

Description

The **NTS-TEL-868** provides a wireless link capability for standard data rates of up to 38Kb data link. Serial data is processed to pass over the standard 25kHz channel spacing radio channel or by operating in high power (500mW) wideband mode up to 38Kb is feasible without placing any restrictions on the data to be sent. This function is implemented in software within the **NTS-TEL-868** Transceiver

Standard serial data, such as PTZ control commands is input via standard serial i/o connections

The system is supplied as two similar units in a standard transceiver module.

Each Transceiver will output the serial data in RS232 format.

Each Transceiver has its own antenna port that can have a directly coupled omni whip antenna or a remote high gain antenna via an RF feeder to the module

The Transceivers should be mounted close to the antenna to maintain low loss in the antenna feeder. A power lead allows for connecting to the power source in the vicinity of the receiver.

The system can be configured to suit the user's specific needs when non standard data protocols are required

Specification:-

<i>Operating frequency</i>	868MHz ISM band ½ duplex
<i>Power output</i>	500mW
<i>Data input</i>	Standard RS232 serial data up to 38.4Kb
<i>Power supply</i>	12V nom (10 to 18 V dc) at 300mA max (transmitting)
<i>Connectivity:</i>	RF – SMA female
	Power and Data
	Pri -Transceiver - 7 way KGV-70 Socket
	Sec -Transceiver - 7 way 62GB06-10 Plug

Mechanical

<i>Dimensions</i>	140 x 62 x 35 mm
<i>Operating temperature</i>	0 to 70 ° C
<i>Weight</i>	350 gms



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