



MT-680

TETRA Vehicular Radio Communication System

This radio is designed for installing in vehicle to establish communication in TETRA network in two modes of direct (DMO) and trunk (TMO). High reliability and easy operation are main features of the radio. In direct mode, output power of the radio is 10W which covers a wide range. In trunk mode the radio covers a vast range of facilities in the network. 4W output, TETRA voice and SMS services, high precision GPS, ciphered voice communication, and fast access to the TETRA network are some facilities of the radio.

General specifications

Frequency range.....	380-430 MHz/410-470 MHz
Operating voltage.....	10.8-15.6V (typical values 13.2V)

TX/RX specifications

RF channel band width.....	25 KHz
RF output power.....	10W
Power precision.....	±2dB
RX static sensitivity.....	-112dBm (typical -116 dBm)
RX dynamic sensitivity.....	-103dBm (typical -105 dBm)
GPS sensitivity.....	≤ -154dBm signal tracking- ≤ -138dBm receiving
GPS precision.....	hot start up < 10s - Cold start up < 50s
Output audio.....	4W (internal), 10W (external)

Environmental and mechanical specifications

Dimensions.....	18.4×20×70 cm (W×D×H)
Weight.....	1900g
Storage temperature.....	-25 to 65 °C - -40 to 85 °C
Humidity.....	ETC 300 019 (95%@25 C@25)
Protection against water and dust.....	IP54 (main unit), IP67 (front panel) - IEC60529 or GB-4208-93
Shock, vibration.....	MIL-STD-810 C/D/E/F/G