MTM800 Enhanced Motorola Tetra Mobile Terminal

General Specifications

Dimensions H x W x D mm	Dash and Desk models (radio + control head)	60 x 185 x 175
	Standard control head	60 x 185 x 31
	Radio only	49 x 170 x 155
	Remote control head	60 x 185 x 39
	Motorcycle control head	60 x 185 x 39

User Interface

2,8" back-lit colour	display VGA – 640 x 480 pixels Transflective TFT, 65,000 colours
4 way navigation key, menu and soft keys	3 programmable function keys
Emergency	Emergency button with backlight
Dual function rotary	Talkgroup and volume change. Can be locked by press and hold
Options	Wallpaper and Privacy screen saver
Font size	Standard & Zoom mode (90 pixels, 4.5mm high) Characters
Indication	3 Colours LED, Configurable notification tones
Shortcuts to menus	Quick access to menus via editable menu shortcuts
Shortcuts to features	One-touch feature on the 10 numeric keypad

Environmental Specifications

Operating temperature	-30 to +60 °C
Storage temperature	-40 to +85 °C
Humidity	ETS 300 019-1-5 class 5.1 and 5.2 EIA/TIA 603 (95%)
Dust and Water	Dash / Desk / Remote: IP54 (cat.2)
	Motorcycle: IP67 (cat.2)
Shock, drop and vibration	ETS 300 019-1-5 class 5M2 and 5M3 MIL 810 C/D/E/F

Electrical Specification

Voltage Range	10.8 to 15.6 V DC

RF Specifications

Frequency Band	806-870 MHz
RF Channel Bandwidth	25 kHz
Transmit / receive Separation	45 (806-870) MHz
Switching Bandwidth (TMO)	19 (806-825) MHz
Transmitter RF Power	3 W
RF Power Level Accuracy	+/- 2 db
Receiver Class	A & B
Receiver Static Sensitivity dBm	-112 minimum -114 typical
Receiver Dynamic Sensitivity dBm	-103 minimum -105 typical

GPS Specifications

Simultaneous Satellites	12
Mode of operation	Autonomous
GPS antenna	Lead with FME male connector for standard GPS antennae
	(5V, 25mA supply)
Sensitivity	-152 dbm/-182dbW

Voice Services

Talkgroups		2048 (TMO)
Phonebook entries		1000 persons, Up to 6 numbers per entry (mobile office etc.)
Scanlists		40 lists of 20 talkgroups
TMO (Trunked Mode)	Group Call	Late Entry. TMO, announcement calls, priority calls
	Private Call	Half and Full Duplex. Flexible dialing by list scroll, short number dial.
	Telephony	Full duples, DTMF overdial, Busy user pre-emption.
Emergency	Alarm	Emergency status
	Hot Mic	Configurable timers ofr automatic open Mic
	Location	Location (GPS) sent with emergency
	Target Address	Sent to Individual or group address (selected or dedicated)

Data Communication

Short Data Services	Inbox	20 Messages (100 predefined and user defined messages)
	Target Address	Sent to Individual or group address (selected or dedicated)
	Voice interaction	SDS can be sent and received during voice call
Packet Data	Single Slot	7.2kbps gross
	Multi Slot	up to 28.8kbps gross

Security Features

User Access Control	PIN/PUK code access

The information contained in this document may be subject to change without further notice

- Please note all product features are subject to infrastructure support
- Selected features are subject to optional software upgrade
- The availability of accessories included in this document are subject to change without notice

Accelerated Life Testing
Stringent Motorola Accelerated Life Testing simulating five years of hard use in real life, EIA RS-316B in Shock, Vibration, Dust, Humidity, IP54 for Sealing.

MIL-STD 810C, D, E and F
Stamp of approval from the U.S. Military for use in rough environments.

ISO 9001 Standard
Compliance with ISO 9001 Standard – an international quality system assurance on design, development, production, installation and servicing of a product.

MOTOROLA