MTP3000 SERIES
SAFER, TOUGHER, EASIER TO USE

PRODUCT SPECIFICATIONS

SAFER
SUPERIOR AUDIO AND
INCREASED RANGE

TOUGHER
DURABLE CONNECTORS
AND RUGGED DESIGN

EASIER
INTUITIVE HARDWARE
AND SOFTWARE FEATURES

	MTP3100	MTP3250
Bluetooth*	No	Yes
GPS*	No	Yes
Keypad	Simple	Full
MSPD*	No	Yes

GENERAL

Dimensions HxWxD mm	124 x 53 x 33.5 (with standard battery)
Weight	273g (radio with 1650mAH battery and antenna)
Battery Performance (Class 4 and 1650mAH battery)	Duty Cycle 5/5/90 > 16 Hours Duty Cycle 5/35/60 > 12 Hours
Battery (Li Ion 1650mAh and 2150mAh)	

RF SPECIFICATIONS

Frequency Bands	350-430 MHz, 800 MHz
Transmitter RF	Power Class 3L (1.8W) & Class 4 (1W)
Receiver Class	A and B
Rx Static Sensitivity	-114dBm (min); -116dBm (typical)
Rx Dynamic Sensitivity	-105 dBm (min); -107 dBm (typical);

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature °C	-30 to +60
Storage Temperature °C	-40 to +85
Humidity	ETSI 300 019-1-7 class 7.3E
Dust and Water Ingress Protection	IP65 per IEC 60529
Shock, drop and vibration	ETSI 300-019 1-7 class 5M3; MIL-STD 810 D/E/F

*SW Upgradable

LICENSES/OPTIONS

Efficiency

Language & Keypad Options

DMO Repeater*

RUA/RUI*

MSPD*

SCCH

RMS*

Call Out*

WAP push*

Safety

GPS*

SECURITY SERVICES

Enhanced Security - OTAR/DMO SCK*

Authentication (Mutual)

Air Interface Encryption Class 1, 2, and 3

Permanent Disable*

Temporary Disable*

MAIN DATA SERVICES

MSPD*

SDS Messaging in TMO & DMO

AT Commands Full Set of AT Commands (including Voice Control)

Short Data Applications

TNP1 Simultaneous operation of Packet Data and Short Data Services over a common Peripheral Equipment Interface (PEI)

iTM Fleet Management (Remote Programming)

THE KEY BENEFITS OF THE MTP3000 SERIES

STAY IN TOUCH
Be safer and more effective with greater coverage and in-building performance with the high-sensitivity receiver and Class 3L (1.8W) power.

HEAR AND BE HEARD
Outstanding audio means you can be safe and effective in the most noisy and difficult environments.

LOCATION SERVICES

Simultaneous Satellites	12
GPS antenna integrated into the external radio antenna	
Tracking Sensitivity	-160dBm
Accuracy	2 meter (50% probable) @ -130dBm
Protocols	ETSI LIP & Motorola LRRP

USER INTERFACE

Easy to use separate volume and talkgroup knobs	Contact List up to 1000 contacts up to 6 numbers per contact, max 2000 numbers
Colour Transflective Display 132x90 pixel screen with 262, 144 vivid colours - viewable in bright sunlight	Multiple Dialling Methods user selects how to dial
Flip screen and large/x-large text & icon options Backlight	Fast/Flexible Call Response Private Call Response to a Group Call via One Touch Button
Screen Saver gif image & text (any user's selection)	Multiple Ring Tones
Universal Time Display	Message Manager Cellular Type (Flexible)
Multiple Languages	Text message list 20
Keypad Lock	Intelligent Keypad Text Input (MTP3250)
Talkgroup Management User friendly, flexible, efficient, fast	Status list 400
Talkgroups – TMO Folders 256, TMO Unique 2048, TMO Instances 4000	Country/Network Code List 100
Talkgroups – DMO Folders 128, DMO Groups 1024	Scan lists 40 lists of 20 groups
Favourite Folders Up to 3 (to store any favourite talkgroup)	User Controls
Menu Tailored to user needs	One touch Buttons & Keys each button key can be programmed with one of the multiple functions available
Menu Shortcuts	Covert Mode
Menu Configuration	
Contacts Management Cellular Type (Rapid Search)	

MAIN VOICE SERVICES

Full Duplex TMO Private, PABX, PSTN, Emergency	Individual Emergency Call to PREDEFINED party (half/full duplex)
Half Duplex TMO Private, Group, Emergency	HOT MIC talk without need to PTT (user enabled)
Half Duplex DMO Private, Group, Emergency	Status Msg sent to dispatch console (user enabled)
Inter-MNI, Gateway, Repeater	DMO to TMO enter DMO emergency (with/without gateway) or enter TMO emergency
Dialling Direct, Scroll, Speed, One touch button/key,	Preemptive Priority Calls
AlphaNumeric Search, Call History Redial	Call Out*
Emergency Tactical Emergency Group Call to ATTACHED talkgroup	PTT Double Push
(tailored by users) Non-Tactical Emergency Group Call to DEDICATED talkgroup	Adaptive Audio Control

OTHERS

Robust and 'quick connect' side connector with high-performance matching accessories	SLIM connector Accessories interface
Robust bottom connector	Identification ring on antenna
Loud and clear Audio – 2Wrms Audio power (4W peak) through radio and accessories	

A full range of matching and high performance accessories are available on the MTP3000 Series Accessory Catalogue by visiting www.motorolasolutions.com/MTP3000

*SW Upgradable

BUILT FOR A TOUGH WORLD
Robust connectors withstand hard use and dirty environments. IP65 for all weather and water jet protection.

PICK IT UP AND USE IT FAST
Transition quickly from analogue radios with two control knobs. Navigate quickly through the simple user interface on the clear screen.

CUSTOMISE FOR THE END USER
Tough and effective range of audio and energy accessories suitable for the same rough use as the radio.

MTP3000 SERIES
YOUR LIFELINE WHEN
TIME IS CRITICAL

For more information on the MTP3000 Series radio, please visit us on the web at:
www.motorolasolutions.com/MTP3000

MOTOROLA