

# MTM5000 SERIES BENEFITS



#### **EXTENDED OPERATIONAL RANGE**

- Up to 10W transmit power (MTM5400/5500) and with class leading receiver sensitivity delivers comprehensive network coverage
- Integrated DMO Gateway, DMO Repeater capabilities (MTM5400/5500), ensure secure and resilient communications where needed most

#### **SUPERIOR AUDIO PERFORMANCE**

 Enhanced audio architecture delivering the loudest and clearest audio performance of any Motorola TETRA mobile available on the market\*

#### **HIGH SPEED DATA CONNECTIVITY**

- TEDS Ready hardware with a simple software license upgrade, enables 20x faster data connectivity for accessing back-office systems and databases
- Integrated USB 2.0 PEI, enabling rapid radio programming and standardised interfacing to data terminals and accessories. For additional flexibility, USB host and slave modes are also supported

#### **LOW USER MIGRATION COSTS**

- Familiar cellular style user interface and high resolution colour display for enhanced usability and reduced staff training costs
- Same intuitive user interface as latest MTP3000 Series and MTP6000 Series TETRA portable radios
- Re-use of common accessories using GCAI connector

#### **ENHANCED END TO END ENCRYPTION OPTIONS**

- Integrated hardware for SIM based end to end encryption
- Universal Crypto Module option\*\*

#### **LOCATION SERVICES**

 The MTM5000 Series supports Global Navigation Satellite Systems (GNSS) based location services for GPS, GLONASS and BeiDou, as well as Satellite Based Augmentation Systems (SBAS) including WASS, EGNOS, MSASA, GAGAN and QZSS (Japan)

#### ADVANCED TERMINAL MANAGEMENT

• USB 2.0 interface for fast radio programming via Motorola Solutions Integrated Terminal Management (ITM) solution

#### **FLEXIBLE INSTALLATION OPTIONS**

- Fully DIN-A compatible and available in Dash, Desk, Remote Head and Motorcycle mount formats
- Supports multiple control heads an ideal solution for installations in trains, ambulances and fire vehicles where more than one control point might be required
- Supports multiple transceivers an ideal solution for multiple agency, joint operations, or multi-task communications including bilateral such as cross-border operations
- MTM5500 ethernet style connections enable up to 40m separation to either the new ReCH Control Head or the TSCH (IP55)
- Other Equipment Manufacturer (OEM) control head solutions can be developed using the Remote Display Control (RDC) protocols

#### RUGGED DESIGN WITH EXCEPTIONAL RELIABILITY

- Includes IP67 control head option, for exposed and challenging environments
- Front and Rear rugged GCAI connector for reliable connection of audio and data peripheral equipment
- Mobile radio and accessories are performance matched for enhanced reliability



<sup>\*</sup> Assuming the appropriate audio accessory is used \*\* Model specific

## **MTM5000 SERIES SPECIFICATIONS**





MODELS - COMPLIANT WITH DIN 75490 (ISO 7736)				
	MTM5400	MTM5500		
Dash	Compact radio for fast vehicle installation	N.A.		
Desk	Compact radio, for use in the office.  Optional range of accessories such as desk tray with integrated loudspeaker	N.A.		
Multiple Remote Control Head	N.A.	Radio with multiple remote mount control head capability		
	N.A.	Range of installation options enable use in cars, vans and other vehicles		
Multiple Transceiver or Control	N.A	Range of installation options enable use in cars, vans and other vehicles		
Motorcycle	Environmentally enhanced radio meeting IP67 specification. Suitable for demanding environments such as motorcycle, fire appliance and marine installations	N.A.		
Expansion head "Databox"	Radio without a control head, for data applications, or customised application development			

GENERAL				
	Dimensions HxWxD (mm)	Weight Typical (g)	Dimensions HxWxD (mm)	Weight Typical (g)
Dash and Desk models (transceiver + control head)	60x188x198	1300		N.A.
Transceiver only	45x170x169	1070	45x170x169	1070
Standard control head	60x188x31	230		N.A.
Remote control head	60x188x39	300	60x188x39	300
Motorcycle control head	60x188x39	320		N.A.

USER INTERFA	ACE & DISPLAY			
	Diagonal dimension	2.8"		
Display	Type	640x480 pixels Transflective TFT, 65,000 colours		
	Backlight	Variable backlight, User configurable		
	Font sizes	Standard & Zoom mode (90 pixels, 4.5mm high) characters		
TSCH		N.A. Available as option*		
Numeric		Integral backlit numeric keypad of 12 keys, with keypad lock option		
	International keypad versions	Roman, Arabic, Cyrillic, Korean, Chinese, Taiwanese characters**		
	Programmable function keys	3 programmable function keys (plus 10 programmable numeric keys)		
Buttons & Keypad	Navigation	4-way navigation key, menu and soft keys		
	Emergency	Emergency button with backlight		
	Shortcuts	User configurable shortcuts to menus and common features using "One-Touch-Button" feature		
Rotary	Dual Function	Talkgroup and volume change with lock option		
1 0 0	LED Tri-colour LED			
Indication	Tones	Configurable notification tones		
User Interface	Standard Options	Arabic, Chinese Simplified, Chinese Traditional, Croatian, Danish, Dutch, English, French, German, Greek, Hebrew, Hungarian, Italian, Korean, Lithuanian, Macedonian, Mongolian, Norwegian, Portuguese, Russian, Spanish, Swedish		
Languages	User defined	User programmable, using ISO 8859-1 character		
	·	Tailored to user needs		
Menu		Menu Shortcuts		
		Menu Configuration		
Contacts Manageme	ent	Cellular Type		
Contact List		Up to 1000 contacts		
		Up to 6 numbers per contact, Max 2000 numbers		
Multiple Dialling Methods		User selects how to dial		
Fast/Flexible Call Response		Private Call Response to a Group Call via One Touch Button		
Multiple Ring Tones		Configurable with CPS		
Message Manager		Cellular Type		
Text message list		20		
Intelligent Keypad Te	ext Input	All Control Heads		
Status list		400		
Country/Network Code List		100		
Scan lists		40 lists of 20 groups		
Discrete Mode		All Control Heads		
Screen Saver		gif image & text (any user's selection)		
Universal Time Display		All Control Heads		
Keypad Lock		All Control Heads		
Talkgroup Folders		Dual layer folder structure (folder/subfolder)		
		256 folders		
Favourite Folders		Up to 3 (to store any favourite talkgroup)		

<sup>\*</sup> Please refer to the separate specification sheet
\*\* For availability of other language keypads please contact your local MSI representative

# **MTM5000 SERIES SPECIFICATIONS**

ENVIRONMENTAL SI	EGIFICATIONS	00 : 00		
Operating Temperature (°C)		-30 to +60		
Storage Temperature (°C)	FTCI 200 040 4 4 01 400 4 2	-40 to +85		
lot in use - Storage	ETSI 300 019-1-1 CLASS 1.3	Non-Weather Protected Storage Locations		
ot in use - Transportation tationary use - Weather	ETSI 300 019-1-2 CLASS 2.3	Public Transportation		
rotected Locations	ETSI 300 019-1-3 CLASS 3.2	Partly Temperature Controlled Locations		
lobile use - Ground Vehicle	ETSI 300 019-1-5 CLASS 5.2			
stallation	L131300 019-1-3 CLA33 3.2	Climatic Tests		
Mobile use - Ground Vehicle stallation	ETSI 300 019-1-5 CLASS 5M3	Mechanical Tests		
ail Certification				
nvironmental	EN50155:2007 and IEC60571 ED.3.0	Environmental		
AIL STD	810 C/D/E/F/G Specifications	All 11 categories met (or exceeded)		
Oust and Water Ingress	IP54 (dust cat. 2)	Dash/Desk/Remote models		
rotection	IP67	Motorcycle model (only control head is IP67; transceiver is IP54)  MTM5500 TSCH IP55		
LECTRICAL SPECIFIC	CATIONS	1991		
		MTM5400 MTM5500		
oltage Range	I	10.8 to 15.6 V DC		
	Idle / Rx / Tx @ 10W	10W 0.5 / 1.0 / 1.2 ( TX 3.4A Peak)		
. 0	Idle / Rx / Tx @ 3W	0.5 / 1.0 / .9 (TX 2.2A Peak)		
irrent Consumption (A, typ.)	Tx - Multi Slot PD (4 slots) @ 5.6W	5.6W 2.7		
	Tx - TEDS @ 3W	2.3		
	Using USB host	Adds 0.5A		
F SPECIFICATIONS				
equency Bands (MHz)		350 - 390, 380 - 430, 410 - 470, 806 - 870		
ansmitter RF Power	0	TX Power 10W and 3W (Class 2 and Class 3)		
F Power Control	6 Power Step Levels (steps of 5 dBm)	Starting at 15 dBm; finishing at 40 dBm		
eceiver Class	1	A&B		
eceiver Static Sensitivity (dBm		-114 minimum, -116 typical (ETSI 300-392-2)		
eceiver Dynamic Sensitivity (d	DIIIJ	-105 minimum, -107 typical (ETSI 300-392-2)		
PS SPECIFICATIONS				
multaneous Satellite Systems		GPS plus one other GNSS, eg GLONASS, BeiDou		
· · · · · · · · · · · · · · · · · · ·	5	Concurrent tracking, SBAS capable, 72 channel		
lode of Operation NSS Antenna				
	ivity	Supports active antenna (5V, 25mA supply)		
Autonomous Acquisition Sensitivity		-163 dBm		
racking Sensitivity	ivity	-163 dBm		
racking Sensitivity	. The state of the			
Autonomous Acquisition Sensit Fracking Sensitivity Cocation Protocols	····y	-163 dBm  ETSI Location Information Protocol (LIP)		
racking Sensitivity ocation Protocols	····y	-163 dBm  ETSI Location Information Protocol (LIP)		
cacking Sensitivity cocation Protocols  OICE SERVICES	····y	-163 dBm  ETSI Location Information Protocol (LIP)  Motorola LRRP		
cacking Sensitivity caction Protocols  OICE SERVICES alkgroups		-163 dBm ETSI Location Information Protocol (LIP) Motorola LRRP		
racking Sensitivity  ocation Protocols  OICE SERVICES  alkgroups hone book entries		-163 dBm ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries		
racking Sensitivity ocation Protocols  /OICE SERVICES alkgroups hone book entries		-163 dBm  ETSI Location Information Protocol (LIP)  Motorola LRRP  10,000 TMO, 2000 DMO  1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries  40 lists of 20 talkgroups		
racking Sensitivity	Group call	-163 dBm  ETSI Location Information Protocol (LIP)  Motorola LRRP   10,000 TMO, 2000 DMO  1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries  40 lists of 20 talkgroups  Late Entry, TMO/DMO Mapping		
racking Sensitivity  ocation Protocols  OICE SERVICES  alkgroups hone book entries	Group call Private call	-163 dBm  ETSI Location Information Protocol (LIP)  Motorola LRRP  10,000 TMO, 2000 DMO  1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries  40 lists of 20 talkgroups		
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olice Services	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA	-163 dBm ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex Full Duplex Up to 10,000 groups		
cation Protocols  OICE SERVICES  Ikgroups tone book entries an lists  unked Mode (TMO) Services	Group call Private call Telephony (PABX, PSTN, MS-ISDN)	-163 dBm ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex Full Duplex Up to 10,000 groups Attachment signalling, supports SWMI initiated attachment/detachment		
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olice Services	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA	-163 dBm ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex Full Duplex Up to 10,000 groups Attachment signalling, supports SWMI initiated attachment/detachment		
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olice Services  Olice Services  Ilkgroups  Ilkgroups  Ilsts  Unked Mode (TMO) Services  rect Mode (DMO) Services	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical	-163 dBm  ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TM0, 2000 DM0  1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TM0/DM0 Mapping Half / Full Duplex  Full Duplex  Up to 10,000 groups Attachment signalling, supports SWMI initiated attachment/detachment Group call Private call Emergency Group Call to ATTACHED talkgroup Emergency Group Call to DEDICATED talkgroup		
olice Services  Olice Services  Ilkgroups  Ilkgroups  Ilsts  Unked Mode (TMO) Services  rect Mode (DMO) Services	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical Individual	-163 dBm  ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO  1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex  Full Duplex  Up to 10,000 groups  Attachment signalling, supports SWMI initiated attachment/detachment Group call Private call Emergency Group Call to ATTACHED talkgroup Emergency Group Call to DEDICATED talkgroup Emergency Call to PREDEFINED party (half/full duplex) TMO/DMO/DMO to TMO automatic switching options		
olice Services  Olice Services  Ilkgroups  Ilkgroups  Ilsts  Unked Mode (TMO) Services  rect Mode (DMO) Services	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical Individual Smart emergency	-163 dBm  ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO  1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex  Full Duplex  Up to 10,000 groups  Attachment signalling, supports SWMI initiated attachment/detachment Group call Private call Emergency Group Call to ATTACHED talkgroup Emergency Group Call to DEDICATED talkgroup Emergency Call to PREDEFINED party (half/full duplex)		
cation Protocols  OICE SERVICES  Ikgroups Ikgrou	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical Individual Smart emergency Hot Mic Location	-163 dBm  ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex Full Duplex  Full Duplex  40 to 10,000 groups Attachment signalling, supports SWMI initiated attachment/detachment Group call Private call Emergency Group Call to ATTACHED talkgroup Emergency Group Call to DEDICATED talkgroup Emergency Call to PREDEFINED party (half/full duplex) TMO/DMO/DMO to TMO automatic switching options Configurable timers for automatic open mic (talk without PTT) Location (GPS) sent with emergency		
ocation Protocols  OICE SERVICES  OICE OICE SERVICES  OICE OICE SERVICES  OICE OICE OICE OICE OICE OICE OICE OICE	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical Individual Smart emergency Hot Mic	-163 dBm  ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex Full Duplex  Up to 10,000 groups Attachment signalling, supports SWMI initiated attachment/detachment Group call Private call Emergency Group Call to ATTACHED talkgroup Emergency Group Call to DEDICATED talkgroup Emergency Call to PREDEFINED party (half/full duplex) TMO/DMO/DMO to TMO automatic switching options Configurable timers for automatic open mic (talk without PTT)		
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OICE SERVICES  Ulkgroups Ilkgroups Ilkgroups In Book entries In Ists  Unked Mode (TMO) Services  Trect Mode (DMO) Services  The ATA SERVICES	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)	-163 dBm ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex  Full Duplex  Up to 10,000 groups Attachment signalling, supports SWMI initiated attachment/detachment Group call Private call Emergency Group Call to ATTACHED talkgroup Emergency Group Call to DEDICATED talkgroup Emergency Call to PREDEFINED party (half/full duplex) TMO/DMO/DMO to TMO automatic switching options Configurable timers for automatic open mic (talk without PTT) Location (GPS) sent with emergency Sent to individual or group address (selected or dedicated) Emergency Status (or other pre-defined status)		
OICE SERVICES  Ulkgroups Ilkgroups Ilkgroups In Book entries In Ists  Unked Mode (TMO) Services  Trect Mode (DMO) Services  Trect Mode (DMO) Services  ATA SERVICES	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)  Alias messages	-163 dBm ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex Full Duplex  Up to 10,000 groups Attachment signalling, supports SWMI initiated attachment/detachment Group call Private call Emergency Group Call to ATTACHED talkgroup Emergency Group Call to DEDICATED talkgroup Emergency Call to PREDEFINED party (half/full duplex) TMO/DMO/DMO to TMO automatic switching options Configurable timers for automatic open mic (talk without PTT) Location (GPS) sent with emergency Sent to individual or group address (selected or dedicated) Emergency Status (or other pre-defined status)		
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acking Sensitivity cation Protocols  OICE SERVICES Ikgroups one book entries an lists  unked Mode (TMO) Services  rect Mode (DMO) Services  hergency (tailored by users)  ATA SERVICES atus	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)  Alias messages Options	To,000 TMO, 2000 DMO  10,000 TMO, 2000 DMO  1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries  40 lists of 20 talkgroups  Late Entry, TMO/DMO Mapping  Half / Full Duplex  Up to 10,000 groups  Attachment signalling, supports SWMI initiated attachment/detachment  Group call  Private call  Emergency Group Call to ATTACHED talkgroup  Emergency Group Call to DEDICATED talkgroup  Emergency Call to PREDEFINED party (half/full duplex)  TMO/DMO/DMO to TMO automatic switching options  Configurable timers for automatic open mic (talk without PTT)  Location (GPS) sent with emergency  Sent to individual or group address (selected or dedicated)  Emergency Status (or other pre-defined status)  400 Entries  Can be sent via One-Touch or via menu  200 Entries (short messages), 40 Entries (long messages of up to 1000 characters)  Cellular style iTAP predictive text entry		
acking Sensitivity ccation Protocols  OICE SERVICES alkgroups none book entries can lists  unked Mode (TMO) Services  rect Mode (DMO) Services  mergency (tailored by users)  ATA SERVICES atus	Group call Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning  Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)  Alias messages Options Inbox Target Address	-163 dBm ETSI Location Information Protocol (LIP) Motorola LRRP  10,000 TMO, 2000 DMO 1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries 40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex Full Duplex  Up to 10,000 groups Attachment signalling, supports SWMI initiated attachment/detachment Group call Private call Emergency Group Call to ATTACHED talkgroup Emergency Group Call to ATTACHED talkgroup Emergency Group Call to DEDICATED talkgroup Emergency Group Call to DEDICATED talkgroup Emergency Call to PREDEFINED party (half/full duplex) TMO/DMO/DMO to TMO automatic switching options Configurable timers for automatic open mic (talk without PTT) Location (GPS) sent with emergency Sent to individual or group address (selected or dedicated) Emergency Status (or other pre-defined status)  400 Entries Can be sent via One-Touch or via menu 200 Entries (short messages), 40 Entries (long messages of up to 1000 characters) Cellular style iTAP predictive text entry Sent to individual or group address (selected or dedicated)		
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## **MTM5000 SERIES SPECIFICATIONS**

GATEWAY SERVICES				
		MTM5400	MTM5500	
		Group voice calls fro		
		Group voice calls fro		
		Emergency group call		
		Emergency group call from TMO to DMO		
DMO/TMO Gateway		Call Pre-emption (in	either direction)	
,		SDS messaging from DMO to TMO (including GPS)		
		or from TMO to DMO*		
		Configurable routing of SDS messages to console or PEI*		
		Intelligent handling of point to point calls and SDS messages whilst operating as a Gateway*		
REPEATER SERVICES				
		Repeats DMO voice calls on selected talkgroup		
		Repeats SDS and Status messa		
		ETSI type 1A DMO Repeater fo		
		Transmission of Repea		
DMO Repeater		Priority		
		Emergency Call (Pre-ei		
		E2EE Encrypted		
		Monitoring of and participation in		
		Configurable Repea	ter rower Levels	
NTERFACES				
RS232		Four Virtual Ports via AT Multiplexer enable PC applications to r	run simultaneously Packet Data, AT Commands, SDS, SCOUT	
		USB 2.0 support for PEI (Two Virtual Ports v	ria standard Windows drivers enable PC	
		applications to run simultaneously	Packet Data and AT Commands)	
JSB		USB 2.0 support for PEI (Four Virtual Ports via AT Multiplexer enable PC applications to run simultaneously Packet Data, AT Commands, SDS, SCOUT); rapid programming		
		USB On-The-Go (host & slave) capability for intelligent PEI applications		
		USB 1.1 support (Host Mode) to manage USB	3 Slave Devices (e.g. SIM CARD READER)	
Rugged Accessory Connector (GCA	AI)	GCAI - Motorola accessory and ancillary interface for conn	ection of accessories, data terminals and programming	
	Digital I/O	7 (4 on remote and motorcycle control head, 3 on transceiver)		
General Purpose Input/Output	Analog input	4 (1 on remote and motorcycle	control head, with 4 levels)	
SECURITY FEATURES				
	Algorithms	TEA1, TEA		
Air Interface Encryption	Security Classes	Class 1 (Clear), Class		
	Authentication	Infrastructure initiated and	·	
Provisioning Provisioning		Secure provisioning tool via		
		PIN/PUK coo	de access	
Jser Access Control	Service Profile Selection for Radio User Assignment / Radio User Identity (RUA/RUI) Operation	Based on login credentials, a radio use capabilities defined in pre-installed service		
Data	(nor ynor) operation	Packet Data user	authentication	
	Voice E2EE			
End to End Encryption (EtEE)	Packet Data E2EE	Enhanced End to End Encryption with OTAR supported through Universal Crypto Module (UCM) and SIM (via integrated card slot) and or Cryptr 2 Broadband IP unit.		
	Short Data (SDS) E2EE			
DECLU ATORY COMPLE	NOT			
REGULATORY COMPLIA	INCE			
Radio (R&TTE Article 3.2)		EN 303 (		
		EN 303 035-2 ETSI EN 300-394-1		
		ETSI EN 300-392-2 EN 301 489-1 V1.3.1		
EMC (R&TTE Article 3.1.b)				
ENO (NOTTE / Holo O.T.S)		EN 301 489-		
Electrical Safety (R&TTE Article 3.1.a)		EN 60950-		
		EN50360:2001 EME		
Environmental		Directive 2002/96/EC WEEE		
Automotivo		EN50155:2007 (IEC 60571 ED. 3.0)  E-mark. Automotive EMC Directive 95/54/EC		
Automotive  Pail Contification FMC		E-mark, Automotive EMC Directive 95/54/EC  EN50121-3-2:2006 (IEC 62236-3-2 Ed.2.0)		
Rail Certification EMC		EINOU 12 1-3-2:2006 (IEI	∪ ∪∠∠∪∪⁻∪⁻∠ EU.∠.UJ	

<sup>\*</sup> Future software release

For more information, please visit: motorolasolutions.com/MTM5000

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