



ENABLING CURRENT AND FUTURE CRITICAL COMMUNICATIONS

MTM5000 SERIES TETRA MOBILE RADIOS

SAFER	 Hear and be heard in difficult environments with enhanced audio Stay in touch with great coverage, improved Rx sensitivity and high power options
SMARTER	 Versatile installation connects end users in and around the vehicle, up to 40m from the radio with the MTM5500 Control the radio and make voice and data calls inside or outside the vehicle with the Telephone Style Control Head
FASTER	 Be ready for TEDS, for faster data communications to improve efficiency and safety Link to Data devices for flexibility and powerful applications

The MTM5200 is the base model in the new series of TETRA radios. It shares the enhanced audio and receiver sensitivity of the current MTM5400, as well as being TEDS-ready for high speed data service which will enhance operation. The **MTM5400** includes high power modes and the Gateway Repeater functionality features required by a number of end users.

The **MTM5500** is a highly flexible and capable system radio which permits the installation of multiple control heads. Up to 40m from the radio for a total of 80m on a train or boat. The new Telephone Style Control Head provides an alternative method to control the radio and make voice and data calls.

MTM5000 SERIES BENEFITS

EXTENDED OPERATIONAL RANGE

- Up to 10W transmit power (MTM5400/5500), 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

 Next generation 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 VGA colour display for enhanced usability and reduced staff training costs
- Same user interface as market proven MTP850 portable and MTM800 Enhanced mobile radios
- Re-use of MTM800 Enhanced accessories using GCAI connector

ENHANCED END TO END ENCRYPTION OPTIONS

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

ADVANCED TERMINAL MANAGEMENT

• USB 2.0 interface for fast radio programming via Motorola's integrated Terminal Management 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

RUGGED DESIGN WITH EXCEPTIONAL RELIABILITY

- Includes IP67 control head option (MTM5200/5400), 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 MTM5500 ethernet style connections enable up to 40m separation to either the new eCH Control Head or the Telephone Style Control Head



* Assuming the appropriate audio accessory is used



MTM5200 AND MTM5400

EXPANSION HEAD OPTIONS



MTM5500

EXPANSION HEAD OPTIONS



FLEXIBLE EXPANSION HEAD (ETHERNET READY) 2X STD, ETHERNET TYPE, ETHERNET SIM READER AND RS232

CONTROL HEAD OPTIONS



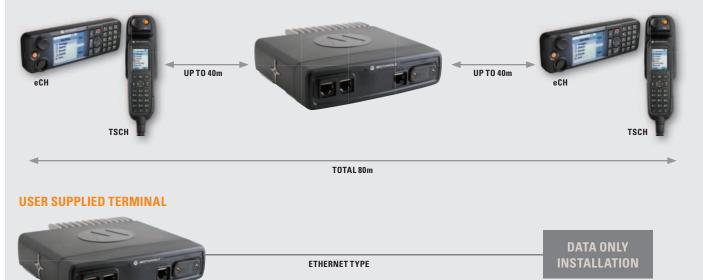
FLEXIBLE EXPANSION HEAD (eCH) SUPPORTS EXTERNAL SPEAKERS AND PTT



TELEPHONE STYLE CONTROL HEAD SUPPORT EXTERNAL SPEAKERS AND PTT

INSTALLATION OPTIONS

MULTIPLE CONTROL HEADS - AMBULANCE, FIRE TRUCK, INCIDENT CONTROL VEHICLE, METRO TRAIN





SPECIFICATIONS

		МТМ	5200	МТМ	5400	MTMS	500	
Dash		Com	nact radio for fa	st vehicle installa	tion	N.A		
Dasii			·	the office. Optiona			-	
Desk				y with integrated I		N.A		
			N	.A.		Radio with mul		
Multiple Remote Co	ontrol Head					mount control he Range of install		
			N	.A.		enable use in ca	ars, vans an	
		Environmonto	lly ophonood ro	dio meeting IP67 :	posification	other ve	hicles	
Motorcycle				nments such as m		N.A	L.	
,				arine installations				
Expansion head "Da	atabox"	Radio witho	ut a control head	d, for data applica	tions, or custom	ised application de	evelopment	
GENERAL								
-		Dimensions	Weight	Dimensions	Weight	Dimensions	Weight	
		HxWxD (mm)	Typical (g)	HxWxD (mm)	Typical (g)	HxWxD (mm)	Typical (g	
Dash and Desk moo (transceiver + contr		60x188x198	1300	60x188x198	1300	N.A	ι.	
Transceiver only		45x170x169	1070	45x170x169	1070	45x170x169	1070	
Standard control he	ad	60x188x31	230	60x188x31	230	N.A		
Remote control hea		60x188x39	300	60x188x39	300	60x188x39	300	
Motorcycle control	· · · · · · · · · · · · · · · · · · ·	60x188x39	320	60x188x39	320	N.A		
USER INTERFA					0//			
	Diagonal dimension			2.1 V/90 pixelo Trapo		100 oolouro		
Display	Type Backlight	VGA - 640x480 pixels Transflective TFT, 65,000 colours Variable backlight, User configurable						
	Font sizes	Standard & Zoom mode (90 pixels, 4.5mm high) characters						
TSCH	N.A.			IX013, 4.0IIIII IIIg	Available as	option*		
	Numeric	Integral backlit numeric keypad of 12 keys, with keypad lock option						
	International keypad versions			Chinese, Taiwane		Romar	1**	
Buttons & Keypad	Programmable function keys		3 programmable	function keys (plu	ıs 10 programma	able numeric keys)		
	Navigation	4-way navigation key, menu and soft keys						
	Emergency	Emergency button with backlight						
Rotary	Shortcuts Dual Function	User configurable shortcuts to menus and common features using "One-Touch-Button" feature Talkgroup and volume change with lock option						
notary	LED		IdiKy		0	υρτισπ		
Indication	Tones	Tri-colour LED Configurable notification tones						
		Arabic, Chinese Simplified, Chinese Traditional, Croatian, Danish, Dutch, English, French,						
User Interface	Standard Options	German, Greek, Hebrew, Hungarian, Italian, Korean, Lithuanian, Mac Norweqian, Portuguese, Russian, Spanish, Swedis					longolian,	
Languages	User defined	User programmable, using ISO 8859-1 character						
	0301 definied	Tailored to user needs						
Menu		Menu Shortcuts						
		Menu Configuration						
Contacts Managem	lent	Cellular Type						
Contact List		Up to 1000 contacts						
Multiple Dialling M	lathode	Up to 6 numbers per contact, Max 2000 numbers User selects how to dial						
Fast/Flexible Call R		User selects how to dial 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 7	Text Input	All Control Heads						
Status list		100						
Country/Network C	ode List	100 40 lists of 20 groups						
Scan lists Discrete Mode				40 lists of All Contr				
Screen Saver			n			าท)		
Universal Time Disp	blay	gif image & text (any user's selection) All Control Heads						
Keypad Lock				All Contr				
Talkgroup Folders		Dual layer folder structure (folder/subfolder)						
		256 folders						

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



		MTM5200	MTM5400	MTM5500	
Operating Temperature (°C)		-30 to +60			
Storage Temperature (°C)			-40 to +85		
Not in use - Storage	ETSI 300 019-1-1 CLASS 1.3	Non-	Weather Protected Storage Locations		
Not in use - Transportation	ETSI 300 019-1-2 CLASS 2.3		Public Transportation		
Stationary use - Weather Protected Locations	ETSI 300 019-1-3 CLASS 3.2	Partly Temperature Controlled Locations			
Mobile use - Ground Vehicle Installation	ETSI 300 019-1-5 CLASS 5.2		Climatic Tests		
Mobile use - Ground Vehicle Installation	ETSI 300 019-1-5 CLASS 5M3		Mechanical Tests		
MIL STD	810 C/D/E/F Specifications	A	All 11 categories met (or exceeded)		
Dust and Water Ingress	IP54 (dust cat. 2)	Dash/Desk/Remote models			
Protection IP67		Motorcycle model (only control head is IP67; transceiver is IP54) N.A.			
ELECTRICAL SPECIFIC	CATIONS				
Voltage Range		10.8 to 15.6 V DC			
	ldle / Rx / Tx @ 10W	N.A. 0.5 / 1.0 / 1.2 (TX 3.4A Peak)		Peak)	
	ldle / Rx / Tx @ 3W	0.5 / 1.0 / .9 (TX 2.2A Peak)			
Current Consumption A, typ.)	Tx - Multi Slot PD (4 slots) @ 5.6W	N.A. (3W only) 2.7			
<i>Α</i> , ιγρ.)	Tx - TEDS @ 3W	2.3			
Using USB host		Adds 0.5A			
RF SPECIFICATIONS					
Frequency Bands (MHz)			380 - 430		
Transmit / Receive Separat	ion (MHz)	10			
TMO Switching Bandwidth (MHz)		50			
DMO Switching Bandwidth (MHz)		20			
RF Channel Bandwidth (kHz)		20			
	TETRA Release 1	N.A. (3W only) 10W, Class 2 Note: MSPD limited to 5.6W		to 5.6W, Class 2	
Transmitter RF Power	TETRA Release 2 (TEDS)	3W, Class 3			
RF Power Control	6 Power Step Levels (steps of 5 dBm)	Starting at 15 dBm; finishing at 40 dBm			
Receiver Class		A & B			
Receiver Static Sensitivity (dBm)		-114 minimum, -116 typical (ETSI 300-392-2)			
Receiver Static Sensitivity	Receiver Dynamic Sensitivity (dBm)		-105 minimum, -107 typical (ETSI 300-392-2)		

GPS SPECIFICATIONS	
Simultaneous Satellites	12
Mode of Operation	Autonomous or assisted (A-GPS)
GPS Antenna	Supports active antenna (5V, 25mA supply)
Autonomous Acquisition Sensitivity	-143 dBm / -173 dBW
Tracking Sensitivity	-159 dBm / -189 dBW
Accuracy	<5m (50% probable) <10m (95% probable)
TTFF (HOT Start - Autonomous)	<1s
TTFF (WARM Start - Autonomous)	<36s
TTFF (COLD Start - Autonomous)	<36s
Location Protocols	ETSI Location Information Protocol (LIP)
	Motorola LRRP



PRODUCT SPEC SHEET MTM5000 SERIES

Talkgroups Phone book entries Scan lists Trunked Mode (TMO) Services Direct Mode (DMO) Services Emergency (tailored by users) DATA SERVICES Status Short Data Service (SDS)	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	Attachment signallin Emerge Emerger Emergery TMO/DMO/ Configurable tir Lo Sent to individ	MTM5400 MTM5500 2048 (TMO) & 1024 (DMO) umbers 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 2047 groups g, supports SWMI initiated attachment/detachment Group call Private call ncy Group Call to ATTACHED talkgroup Call to PREDEFINED party (half/full duplex) /DM0 to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated) ncy Status (or other pre-defined status)	
Phone book entries Scan lists Trunked Mode (TMO) Services Direct Mode (DMO) Services Emergency (tailored by users) DATA SERVICES Status	Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)	Attachment signallin Emerge Emerger Emergery TMO/DMO/ Configurable tir Lo Sent to individ	umbers 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 2047 groups g, supports SWMI initiated attachment/detachment Group call Private call ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
Scan lists Trunked Mode (TMO) Services Direct Mode (DMO) Services Emergency (tailored by users) DATA SERVICES Status	Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)	Attachment signallin Emerge Emerger Emergery TMO/DMO/ Configurable tir Lo Sent to individ	40 lists of 20 talkgroups Late Entry, TMO/DMO Mapping Half / Full Duplex Full Duplex Up to 2047 groups g, supports SWMI initiated attachment/detachment Group call Private call ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
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Direct Mode (DMO) Services Emergency (tailored by users) DATA SERVICES Status	Private call Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)	Attachment signallin Emerge Emerger Emergery TMO/DMO/ Configurable tir Lo Sent to individ	Half / Full Duplex Full Duplex Up to 2047 groups g, supports SWMI initiated attachment/detachment Group call Private call ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DM0 to TM0 automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
Direct Mode (DMO) Services Emergency (tailored by users) DATA SERVICES Status	Telephony (PABX, PSTN, MS-ISDN) DGNA Scanning Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)	Emerge Emergency TMO/DMO/ Configurable tir Lo Sent to individ	Full Duplex Up to 2047 groups g, supports SWMI initiated attachment/detachment Group call Private call ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) //DM0 to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
Direct Mode (DMO) Services Emergency (tailored by users) DATA SERVICES Status	(PABX, PSTN, MS-ISDN) DGNA Scanning Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)	Emerge Emergency TMO/DMO/ Configurable tir Lo Sent to individ	Up to 2047 groups g, supports SWMI initiated attachment/detachment Group call Private call ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
Emergency (tailored by users) DATA SERVICES Status	Scanning Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)	Emerge Emergency TMO/DMO/ Configurable tir Lo Sent to individ	g, supports SWMI initiated attachment/detachment Group call Private call ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DM0 to TM0 automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
Emergency (tailored by users) DATA SERVICES Status	Tactical Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message)	Emerge Emergency TMO/DMO/ Configurable tir Lo Sent to individ	Group call Private call ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
Emergency (tailored by users) DATA SERVICES Status	Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message) Alias messages	Emerger Emergency TMO/DMO/ Configurable tir Lo Sent to individ	Private call ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
Emergency (tailored by users) DATA SERVICES Status	Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message) Alias messages	Emerger Emergency TMO/DMO/ Configurable tir Lo Sent to individ	ncy Group Call to ATTACHED talkgroup ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
DATA SERVICES Status	Non-Tactical Individual Smart emergency Hot Mic Location Target Address Alarm (status message) Alias messages	Emerger Emergency TMO/DMO/ Configurable tir Lo Sent to individ	ncy Group Call to DEDICATED talkgroup Call to PREDEFINED party (half/full duplex) /DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
DATA SERVICES Status	Individual Smart emergency Hot Mic Location Target Address Alarm (status message) Alias messages	Emergency TMO/DMO/ Configurable tir Lo Sent to individ	Call to PREDEFINED party (half/full duplex) /DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
DATA SERVICES Status	Smart emergency Hot Mic Location Target Address Alarm (status message) Alias messages	TMO/DMO/ Configurable tin Lo Sent to individ	/DMO to TMO automatic switching options mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
DATA SERVICES Status	Hot Mic Location Target Address Alarm (status message) Alias messages	Configurable tir Lo Sent to individ	mers for automatic open mic (talk without PTT) cation (GPS) sent with emergency dual or group address (selected or dedicated)	
DATA SERVICES Status	Location Target Address Alarm (status message) Alias messages	Lo Sent to individ	cation (GPS) sent with emergency dual or group address (selected or dedicated)	
Status	Target Address Alarm (status message) Alias messages	Sent to individ	dual or group address (selected or dedicated)	
Status	Alarm (status message) Alias messages	Sent to individ	dual or group address (selected or dedicated)	
Status	Alarm (status message) Alias messages			
Status	Alias messages		· · · · · · · · · · · · · · · · · · ·	
Status				
			400 Entries	
Short Data Service (SDS)	- p	Can	be sent via One-Touch or via menu	
Short Data Service (SDS)	Inbox	200 Entries (short messages), 40 Entries (long messages of up to 1000 charact		
Short Data Service (SDS)	IIIDOX	-		
	T		ular style iTAP predictive text entry	
	Target Address	Sent to individual or group address (selected or dedicated)		
	Voice Call Interaction	SDS messages can be sent and received during a voice call		
D	Multi-slot PD	Data transmission with up to 4 slots supporting up to 28.8 kbit/s gross		
Packet Data (PD) TETRA Enhanced Data Service (TEDS) (via software upgrade)		Supporting 25kHz and 50k	Hz channel bandwidths and enabling practical data rates of up to 80kbit/s	
		QAM Channels	:: 25 kHz and 50 kHz (but not D8PSK channels)	
TEDS (capable)		C 4-ΩAM R1/2, 16	DAM modulation/coding modes: G-QAM R1/2, 64-QAM R1/2, and 64-QAM R2/3	
WAP	Integrated WAP browser (including WAP-PUSH)	Integrated Openwave browser		
		WAP 1.2.x and WAP 2.0 compatibility for UDP/IP Stack		
	Interface Protocol	AT Commands - Full Set ETSI Mandatory Compliant		
Peripheral Equipment Interface (PEI)		AT Multiplexer - 4 Virtual Physical Port (simultaneous PD, SDS, AT comman Air Tracer SESSIONS)		
		TNP1; ena	ables simultaneous PD and SDS sessions	
		Programmable via Motorola Integrated Terminal Management (iTM) solution		
Terminal Management	Over-The-Air Programming (OTAP) Mode* Capable	Background Mode Programming (BMP) capable* - while radio is operational (providing TETRA services) it is being programmed/configured. * Planned features with software upgrade		
GATEWAY SERVICES				
		N.A.	Group voice calls from DMO to TMO	
		N.A.	Group voice calls from TMO to DMO	
		N.A.	Emergency group call from DMO to TMO	
		N.A.	Emergency group call from TMO to DMO	
		N.A.	Transmission of Gateway Presence Signal	
DMO/TMO Gateway		N.A.	Automatic detection and management of co-located Gateways	
		N.A.	Call Pre-emption (in either direction)	
		N.A.	SDS messaging from DMO to TMO (including GPS) or from TMO to DMO*	
		N.A.	Configurable routing of SDS messages to console or PE	
			Intelligent handling of point to point calls and SDS message	
		N.A.	whilst operating as a Gateway	

* Future software release



REPEATER SERVICES			
	MTM5200	MTM5400	MTM5500
DMO Repeater	N.A.	Repeats DMO voice an selected ta	0 0
	N.A.	Repeats SDS and Status messaging on selected talkgroup*	
	N.A.	ETSI type 1A DMO Repeater for channel efficient operation	
	N.A.	Transmission of Repeater Presence Signal	
	N.A.	Priority Call	
	N.A.	Emergency Call (Pre-emptive Priority Call)	
	N.A.	E2EE Encrypted DMO traffic	
	N.A.	Monitoring of and participation in calls whilst in Repeater mode	
	N.A.	Configurable Repea	ter Power Levels

INTERFACES			
RS232			For PEI (Four Virtual Ports via AT Multiplexer enable PC applications to run simultaneously Packet Data, AT Commands, SDS, SCOUT)
			USB 2.0 support for PEI (Two Virtual Ports via standard Windows drivers enable PC applications to run simultaneously Packet Data and AT Commands)
	USB		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
	Rugged Accessory Connector (GCAI)		USB On-The-Go (host & slave) capability for intelligent PEI applications
			USB 1.1 support (Host Mode) to manage USB Slave Devices (e.g. SIM CARD READER)
			GCAI - Motorola accessory and ancillary interface for connection of accessories, data terminals and programming
	Concrol Durnoso Input/Output	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, TEA2, TEA3	
Air Interface Encryption	Security Classes	Class 1 (Clear), Class 2 (SCK), Class 3G	
	Authentication	Infrastructure initiated and made mutual by terminal	
Provisioning		Secure provisioning tool via Key Variable Loader (KVL)	
		PIN/PUK code access	
User Access Control	Service Profile Selection for Radio User Assignment / Radio User Identity (RUA/RUI) Operation	Based on login credentials, a radio user can be limited to only those radio capabili- ties defined in pre-installed service profiles, selected by the infrastructure	
Data		Packet Data user authentication	
	Voice E2EE	Enhanced End to End Encryption with OTAR supported through Universal	
End to End Encryption (EtEE)	Packet Data E2EE	Crypto Module (UCM) and SIM (via integrated card slot)	
	Short Data (SDS) E2EE		

REGULATORY COMPLIANCE	
	EN 303 035-1
Dadia (DRITTE Article 2.2)	EN 303 035-2
Radio (R&TTE Article 3.2)	ETSI EN 300-394-1
	ETSI EN 300-392-2
	EN 301 489-1 V1.3.1
EMC (R&TTE Article 3.1.b)	EN 301 489-18 V1.3.1
Flooting Cofety (DOTTE Article 2.1 a)	EN 60950-1 (2001)
ectrical Safety (R&TTE Article 3.1.a)	EN50360:2001 EME
Facilitation	Directive 2002/96/EC WEE
Environmental	Directive e2002/95/EC RoHS
Automotive	E-mark, Automotive EMC Directive 95/54/EC

* Future software release

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