



PORTABLE RADIO OVERVIEW

MOTOROLA TETRA



SERIES	MTP3000		MTP6000	ST7000	MTP8000Ex		TPG2200
FEATURE \ MODEL NO	MTP3500	MTP3550	MTP6650	ST7000	MTP8500Ex	MTP8550Ex	TPG2200
HxWxD with battery (mm)	124x53x33,5	124x53x33,5	132x59x34	107x60x19			99x60x23
Weight with battery (g)	280	280	292	181			160
MIL-STD 810	•	•	•	•	•	•	•
Ingress protection (IP)	65, 66 & 67	65, 66 & 67	65, 66, 67 & 68	54	64-67	64-67	54
Motorola ALT™	•	•	•	•	•	•	•
HARDWARE							
Display	132x90 / 262K	132x90 /262K	240x320 / 262K	LED matrix	240x320 / 262K	240x320 / 262K	QVGA
Keypad	Limited	Full	Full	Touch	Limited	Full	Limited
Emergency button	•	•	•	◦	•	•	
Programmable hotkeys	•	•	•	•	•	•	•
Accessory connector	Quick	Quick	Screw	3,5 mm AUX	Screw	Screw	USB-C
Vibrator	•	•	•	•			•
Memory card slot			Micro SD				
GNSS	GPS, Beidou, Glonass	GPS, Beidou, Glonass	GPS, Beidou, Glonass	GPS, Beidou, Glonass	GPS, Beidou, Glonass	GPS, Beidou, Glonass	GPS
Bluetooth	2.1	2.1	2.1 4.0 BLE	2.1 4.0 BLE	4.0 BLE	4.0 BLE	
RFID	◦	◦					
Wi-Fi			•	•			
PERFORMANCE							
Frequencies (MHz)	350-470, 800	350-470, 800	350-470	350-470, 800	350-470, 800	350-470, 800	380-410, 400-430
RF output (W)	1 or 1,8	1 or 1,8	1 1,8 2,7	1 or 1,8	1 or 1,8	1 or 1,8	1 or 1,8
Static Rx sensitivity min/typ (dBm)	-114/-116	-114/-116	-116/-118	-116/-118	-116/-118	-116/-118	-114/-116
Dynamic Rx-sensitivity min/typ (dBm)	-105/-107	-105/-107	-107/-109	-105/-107	-107/-109	-107/-109	-105/-109
GNSS sensitivity typical (dBm)	-160	-160	-160	-163	-163	-163	-160
Audio output (W rms)	2	2	2	0,9	1,2	1,2	0,5
Max battery life (h)	>16	>16	>20	>19	>16	>16	<48
FEATURES & SERVICES							
TEA (Encryption level)	1, 2 or 3	1, 2 or 3	1, 2 or 3	1, 2 or 3	1, 2 or 3	1, 2 or 3	1, 2 or 3
Bluetooth	◦	◦	◦	◦	◦	◦	
GNSS	◦	◦	◦	◦	◦	◦	◦
E2EE (End-to-end encryption)	◦	◦	◦	◦			
SDS via E2EE (encrypted messaging)	◦	◦	◦				
Remote Disable (permanent/temporary)	◦	◦	◦	◦	◦	◦	◦
Man-down	◦	◦	◦		◦	◦	◦
RUI/RUA		◦	◦			◦	
MSISDN	•	•	•	•	•	•	
SDS remote (Remote control)	◦	◦	◦	◦	◦	◦	◦
DMO repeater	◦	◦	◦		◦	◦	
Call Out	◦	◦	◦				◦
WAP/WAP push	◦	◦	◦		◦	◦	
MSPD - Multi-slot packet data	◦	◦	◦	◦	◦	◦	
TEDS - TETRA enhanced data service							
SCCH - Secondary Control Channel	◦	◦	◦	◦	◦	◦	◦
RMS/FMS - Radio Messaging Service	◦	◦	◦		◦	◦	
OTAR - Over-the-air re-keying	◦	◦	◦	◦	◦	◦	◦
DMO SCK - DMO encryption	◦	◦	◦	◦	◦	◦	◦
Toggle RF high 1 to 1,8W or 1,8 to 2,7	◦	◦	◦	◦	◦	◦	◦
AIM - Air Interface Migration	◦	◦	◦	◦	◦	◦	
Shadow groups	◦	◦	◦		◦	◦	
Cell select by talk group	◦	◦	◦	◦	◦	◦	
Immediate text message	◦	◦	◦		◦	◦	◦
Ignore local site trunking	◦	◦	◦	◦	◦	◦	
Home cell stickiness	◦	◦	◦	◦	◦	◦	◦
iTM - Remote programming support	•	•	•	•	•	•	N/A