SPECIFICATION SHEET

MOTOTRBO™ Xir P8260/P8268/P8200/P8208 PORTABLE RADIOS





IDEAL COMMUNICATION SOLUTION FOR YOUR BUSINESS

MOTOTRBOTM XiR P8260/P8268/P8200/P8208 PORTABLE RADIOS

Motorola is a company of firsts with a rich heritage of innovation. We continue to invent what's next — connecting people, delivering mobility and making technology personal. Versatile and powerful, MOTOTRBO combines the best in two-way radio functionality with digital technology, making it the ideal communication solution for your business. You get enhanced features, increased capacity, integrated data applications, exceptional voice quality and extended battery performance. This means more productive employees and lower operating costs for your business.

- Integrates Voice and Data into one device to increase your operational efficiency and support integrated applications including MOTOTRBO Text Messaging Services. Also features an integrated GPS module for use with third-party location tracking applications.
- Uses Time-Division Multiple-Access (TDMA) digital technology to provide Twice The Calling Capacity (as compared to analog or FDMA radios) for the price of one frequency license. A second call doesn't require a second repeater, saving you equipment costs.
- In digital mode, provides Clearer Voice Communications throughout the coverage area, as compared to analog radios, rejecting static and noise.
- Offers Enhanced Battery Life. Digital TDMA two-way portable radios can operate up to 40 percent longer between recharges compared to typical analog radios.

- Meets Demanding Specifications IP57 for submersibility in water (portable models), U.S. Military 810 C, D, E and F, and Motorola standards for durability and reliability.
- Is Intrinsically Safe*, when purchased and equipped with an FM battery, and can be used in locations where flammable gas, vapors or combustible dust may be present.
- Utilizes Motorola's State-Of-The-Art IMPRESTM Technology in batteries, chargers and audio accessories, providing longer talk time and clearer audio delivery.
- Features the Transmit Interrupt Suite* voice interrupt, remote voice dekey, emergency voice interrupt – to help prioritize critical communication exactly when needed.
- The IP Site Connect* digital solution uses the Internet to extend coverage of your MOTOTRBO communication system to users anywhere in the world for dramatically improved customer service and increased productivity.
- Capacity Plus* is a scalable, singlesite digital trunking solution that can expand the capacity of your MOTOTRBO communication to over a thousand radio users without adding new frequencies.
- Motorola's Application Developer Program
 enables the development of customized data
 applications that adapt MOTOTRBO radios to meet the
 unique needs of your business.

MOTOTRBO™ PORTABLE RADIO

	XIR P8260 Display Non GPS Model	XIR P8260 Display Non GPS Model XIR P8268 Display GPS Model		XIR P8200 Non-Display Non-GPS Model		
		Strage	XIR P8208 Non-Display GPS Model UHF		VHF	
hannel Capacity	UHF 10	VHF	- 0		32 VHF	
requency	403-470 MHz 450-512 MHz	136-174 MHz	403.470 MHz		136-174 MHz	
mension (HxWxT) w/ 1500 mAh Lilon Battery		5 x 35.2 mm	403-470 MHz 450-512 MHz 131.5 x 63.5 x 35.2 mm			
/eight (with 1500 mAH Likin Battery)		(2,7 oz)	360g (12.7 oz)			
ith 2200 mAh Lilon Battery)	361g (361g (12.8 az)			
with 1400 mAh Lilon FM Battery)	370g		370g (13 oz)			
ower Supply	7.5V n		7.5V nominal			
CC Description	AZ489FT4876 AZ489FT4884	AZ489FT3815	AZ489FT4876	AZ489FT4884	AZ489FT3815	
verage battery life at 5/5/90 duty cycle with battery saver er		(10.700.100.01.01.00)	7			
MPRES 1500 mAh Lilon Battery		: 9 hrs		Analo	g: 9 hrs	
).h	Digital: 13 hrs		Digital: 13 hrs			
MPRES 2200 mAh Lilon Battery	Analog: 13.5 hrs		Analog: 13.5 hrs			
ACOUST A SECOND MAIN WORK AND	0.000.000.000	Digital: 19 hrs		Digital: 19 hrs		
MPRES FM 1400 mAh Battery	Analog: 8.5 hrs		Analog: 8.5 hrs			
		Digital: 12 hrs		Digital: 12 hrs		
		5050000;				
eceiver						
requencies	403-470 MHz 450-512 MHz	136-174 MHz	403-470 MHz	450-512 MHz	136-174 MHz	
hannel Spacing	12.5 kHz	THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TO SE	2017-21107-2111110		z/ 25 kHz	
requency Stability	+/- 1.5 ppm	ACCURACION OF THE PROPERTY OF	1		(XiR P8200)	
30° C, +60° C, +25° C)		+/-0.5 ppm (XiR P8268)		+/- 0.5 ppm (XiR P8208)		
nalog Sensitivity		0.35 uV (12 dB SINAD)		0.35 uV (12 dB SINAD)		
200 W	0.4 uV (20	0.4 uV (20 dB SINAD)				
	0.22 uV (typical)		0.22 uV (typical)			
igital Sensitivity		5% BER: 0.3 uV		5% BER: 0.3 uV		
ntermodulation	3/1000		1		1800.77	
1A603 C	70	dB		70) dB	
TSI	1837	65 d B		65 dB		
djacent Channel Selectivity		60 dB @ 12.5 kHz		60 dB @ 12.5 kHz		
agacent unamier selectivity		70 dB @ 25 kHz		70 dB @ 25 kHz		
purious Rejection		70 dB w 25 km2		70 dB @ 25 kHz		
ated Audio		500 mW		500 mW		
udio Distortion @ Rated Audio		2.19		3% (typical)		
um and Noise		3% (typical)			тургоа і) 0. 12.5 kHz	
	-40 dB @ 12.5 kHz		1			
and moso		0.00 0.00				
	-45 dB 4	D 25 kHz			@ 25 kHz	
audio Response	-45 dB 6 + 1.	3 dB		+1,	-3 dB	
	-45 dB 6 + 1.			+1,		
audio Response onducted Spurious Emission	-45 dB 6 + 1.	3 dB		+1,	-3 dB	
oudio Response conducted Spurious Emission ransmitter	-45d8 (+ 1, -57	3 dB dBm	403.470 MHz	+ 1, -57	-3 dB dBm	
uudio Response onducted Spurious Emission ransmitter requencies	-45 dB 4 + 1, -57	3 dB dBm 136-174 MHz	403-470 MHz	+ 1, -57 450-512 MHz	-3 dB dBm 136-174 MHz	
udio Response onducted Spurious Emission ransmitter requencies hannel Spacing	-45 dB (+ 1, -57. 403-470 MHz 450-512 MHz 12.5 kHz	3 dB dBm 136-174 MHz / 25 kHz	403-470 MHz	+ 1. -57 450-512 MHz 12.5 kH	3 dB dBm 136-174 MHz	
udio Response onducted Spurious Emission ransmitter requencies hannel Spacing requency Stability	-45 dB 4 + 1. -57 403-470 MHz 450-512 MHz 12.5 kHz +/- 1.5 ppm	3 dB dBm 136-174 MHz / 25 kHz (XR P8260)	403-470 MHz	+ 1. -57 450-512 MHz 12.5 kH +/-1.5 ppn	3 dB dBm 136-174 MHz z/ 25 kHz n (XIR P8200)	
udio Response onducted Spurious Emission ransmitter equencies hannel Spacing equency Stability 30° C, +60° C, +25° C	-45 dB (+ 1, -57. 403-470 MHz 450-512 MHz 12.5 kHz	3 dB dBm 136-174 MHz / 25 kHz (XR P8260)	403-470 MHz	+ 1. -57 450-512 MHz 12.5 kH +/-1.5 ppn	3 dB dBm 136-174 MHz	
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udio Response onducted Spurious Emission ransmitter equencies nannet Spacing equency Stability 30° C, +60° C, +25° C) ower Output	403-470 MHz 450-512 MHz 403-470 MHz 450-512 MHz 12.5 kHz +/- 1.5 ppm +/- 0.5 ppm	3 dB dBm 136-174 MHz / 25 kHz (XIR P8260) (XIR P8268)		+1. -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm	-3 dB dBm 136-174 MHz z/25 kHz r(XiR P8200) r(XiR P8208)	
udio Response onducted Spurious Emission ansmitter equencies hannel Spacing equency Stability 30° C, +60° C, +25° C) ower Output tw Power	403-470 MHz 450-512 MHz 403-470 MHz 450-512 MHz 12.5 kHz +/- 1.5 ppm +/- 0.5 ppm	3 dB dBm 136-174 MHz / 25 kHz (XiR P8260) (XiR P8268) 1W 5W		+1, -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W	3 dB dBm 136-174 MHz z/ 25 kHz 10(iR P8200) (XIR P8208) 1W 5W	
udio Response onducted Spurious Emission ransmitter requencies hannel Spacing requency Stability30° C, +60° C, +25° C ower Output ow Power	403-470 MHz 450-512 MHz 450-512 MHz 12.5 kHz +/- 1.5 ppm +/- 0.5 ppm 1W 4W +/- 2.5 kHz +/- 2.5 k	3 dB dBm 136-174 MHz / 25 kHz (XR P8260) (XR P8268) 1W 5W		+1, -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W +/- 2.5 kHz	3 dB dBm 136-174 MHz z/ 25 kHz 10(kiR P8200) (XiR P8208) 1W 5W	
udio Response onducted Spurious Emission ransmitter requencies hannel Spacing requency Stability 30° C, +60° C, +25° C) ower Output ow Power igh Power todu lation Limiting	-45 dB 4 + 157: 403-470 MHz 450-512 MHz 12.5 kHz +/- 1.5 ppm +/- 0.5 ppm 1W 4W +/- 2.5 kHz +/- 5.0 kHz +/-	3 dB dBm 136-174 MHz / 25 kHz (XiR P8260) (XiR P8268) 1W 5W © 12.5 kHz		+1, -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W +/- 2.5 kHz +/- 5.0 kH	3 dB dBm 136-174 MHz z/ 25 kHz 1 (XiR P8200) 1 (XiR P8208) 1W 5W Ø 12.5 kHz z Ø 25 kHz	
udio Response onducted Spurious Emission ransmitter requencies hannel Spacing requency Stability 30° C, +60° C, +25° C) ower Output ow Power igh Power todu lation Limiting	-45 dB 4 + 157: 403-470 MHz 450-512 MHz 12.5 kHz +/-1.5 ppm +/-0.5 ppm 1W 4W +/-2.5 kHz +/-5.0 kHz +/-5.0 kHz +/-5.0 kHz +/-5.0 kHz +/-40 dB 4B	3 dB dBm 136-174 MHz / 25 kHz (XR P8260) (XR P8268) 1W 5W © 125 kHz 125 kHz		+1, -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W +/- 2.5 kHz +/- 5.0 kH	-3 dB dBm 136-174 MHz z/ 25 kHz 7 (XIR P8200) 1 (XIR P8208) 1 W 5 W 2 12.5 kHz 2 Ø 25 kHz 0 12.5 kHz	
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audio Response onducted Spurious Emission	-45 dB 4 + 157: 403-470 MHz 450-512 MHz 12.5 kHz 17.5 ppm +/-0.5 ppm +/-0.5 ppm +/-0.5 ppm +/-0.5 ppm -10 kHz 18.0 kHz 19.0 kHz	3 dB 136-174 MHz / 25 kHz (XR P8260) (XR P8268) 1W 5W © 12.5 kHz 0 25 kHz 12.5 kHz 2 25 kHz 11.5 kHz 2 25 kHz 3 3 dB 3 dB % 11K0F3E		+1, -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W +/- 2.5 kHz -40.48 @ -45.68 dBm -30.48 m > 10.5 dBm -70.48 dB (-1.1 dBm -70.48 dBm -70.48 dBm -70.48 dBm	3 dB dBm 136-174 MHz z/ 25 kHz 10 (XiR P8200) (XiR P8200) (XiR P8200) 1W 5W © 12.5 kHz 2 @ 25 kHz 0 25 kHz 0 1 GHz 1 GHz 2 Et z dHz 3 dB z dHz 1 GHz 1 GH	
udio Response onducted Spurious Emission ransmitter requencies hannel Spacing requency Stability 30° C, +60° C, +25° C) ower Output ow Power tigh Power dodulation Limiting M Hum and Noise onducted / Radiated Emission digicent Channel Power udio Response udio Distortion M Modulation	-45 d8 4 + 157. 403-470 MHz 450-512 MHz 12.5 kHz + 1/-1.5 ppm + 1/-0.5 ppm	3 dB dBm 136-174 MHz / 25 kHz (XIR P8260) (XIR P8268) 1W 5W © 12.5 kHz 12.5 kHz 2 2.5 kHz 12.5 kHz 2 12.5 kHz 3 dB 1 Hz and < 4GHz 12.5 kHz 3 dB 5 kHz 11.1 K0F3E 16K0F3E		+1, -57 450-512 MHz 12.5 kH +/-1.5 ppm +/-0.5 ppm W W +/-2.5 kHz -40.48 @ -45.68 & -36.68m -30.68m > 16.6 -70.68 & +1, 3.12.5 kHz 25.kHz 25.kHz	3 dB dBm 136-174 MHz 2/ 25 kHz 7 (XIR P8200) 1 (XIR P8200) 1 (XIR P8200) 1 (XIR P8200) 2 (2 0 25 kHz 2 (2 0 25 kHz 2 (2 12 5 kHz 2 2 5 kHz 3 dB 4 5 kHz 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
udio Response onducted Spurious Emission ransmitter requencies hannel Spacing requency Stability 30° C, +60° C, +25° C) ower Output ow Power tigh Power dodulation Limiting M Hum and Noise onducted / Radiated Emission digicent Channel Power udio Response udio Distortion M Modulation	-45 d8 4 + 157. 403-470 MHz 450-512 MHz 12.5 kHz +/-1.5 ppm +/-0.5 ppm	3 dB dBm 136-174 MHz / 25 kHz (XIR P8260) (XIR P8268) 1W 5W © 12.5 kHz 12.5 kHz 12.5 kHz 12.5 kHz 2 b 25 kHz 11.5 kHz 2 b 11.5 kHz		+1, -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W +/- 2.5 kHz -40.68 -40.68 -30.68m -16 -60.68 -70.68 -11, -30.12 kHz -15.8 kHz	3 dB dBm 136-174 MHz z/25 kHz (XiR P8200) (XiR P8208) 1W 5W 40 12.5 kHz 2 c2 25 kHz 0 12.5 kHz 2 l2.5 kHz 0 25 kHz 0 12.5 kHz 0 25 kHz 11 KBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	
udio Response onducted Spurious Emission ransmitter equencies hannel Spacing equency Stability 30° C, +60° C, +25° C) ower Output ow Power igh Power todulation Limiting M Hum and Noise onducted / Radiated Emission diacent Channel Power udio Response udio Distortion M Modulation FSK Digital Modulation	-45 dB 4 + 157 -57 - 12.5 kHz -403-470 MHz 450-512 MHz 12.5 kHz +7-1.5 ppm +7-0.5 ppm +7-0.5 ppm +7-0.5 ppm +7-0.5 kHz +7-5.0 kHz +7-5.0 kHz -40 dB 60 -45 dB 60 -36 dBm -30 dBm > 1.0 -50 dB 60 -70 dB	3 dB dBm 136-174 MHz / 25 kHz (XIR P8260) (XIR P8268) 1W 5W © 12.5 kHz 2		+157 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W +/- 2.5 kHz -40 B @ -45 B B -30 dBm > 1 C -60 dB @ -70 dB +1. 3 12.5 kHz 25 kHz 125 kHz Data 125 kHz Data	3 dB dBm 136-174 MHz z/ 25 kHz n XiF P8200] n XiF P8208] 1W 5W 20 12.5 kHz 2 z0 25 kHz 0 12.5 kHz 0 12.5 kHz 0 12.5 kHz 0 12.5 kHz 10.5	
udio Response onducted Spurious Emission ransmitter requencies nannel Spacing requency Stability 30° C, +60° C, +25° C) over Output over	-45 dB 4 + 157: 403-470 MHz 450-512 MHz 12.5 kHz 17.5 ppm +/- 0.5 ppm -30 dB © -45 dB © -45 dB © -30 dB © -70 dB © -70 dB © -70 dB 0 +130 dB 0 +1.	3 dB 136-174 MHz / 25 kHz / 25 kHz (XiR P8260) (XiR P8268) 1W 5W © 125 kHz 125 kHz 125 kHz 125 kHz 20 25 kHz 1125 kHz 125 kHz 1125 kHz 106 kHz 118 kHz 128 kHz 138 kHz 148 kHz 15 kHz 16 kHz 18 kHz		+1, -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W +/- 2.5 kHz -40.68 @ -45.68 M -30.68 M -30.68 M -70.68 M -70.68 M -11, -12,5 kHz -12,5 kHz -12,5 kHz Data -12,5 kHz Data -12,5 kHz Data -12,5 kHz Data -14, AME	3 dB dBm 136-174 MHz z/ 25 kHz r) (XiR P8200) r) (XiR P8200) r) (XiR P8208) 1W 5W 20 12.5 kHz 20 25 kHz 21 SHz 21 SHz 22 SHz 23 dB 34 SHz 35 KHz 20 25 kHz	
udio Response onducted Spurious Emission ansmitter equencies sannel Spacing equency Stability 30° C, +60° C, +25° C) over Output inv Power igh Power odulation Limiting Will Hum and Noise onducted / Radiated Emission dija cent Channel Power udio Response udio Response udio Distortion Will Modulation FSK Digital Modulation	-45 dB 4 + 157 -57 - 12.5 kHz -403-470 MHz 450-512 MHz 12.5 kHz +7-1.5 ppm +7-0.5 ppm +7-0.5 ppm +7-0.5 ppm +7-0.5 kHz +7-5.0 kHz +7-5.0 kHz -40 dB 60 -45 dB 60 -36 dBm -30 dBm > 1.0 -50 dB 60 -70 dB	3 dB 136-174 MHz / 25 kHz / 25 kHz (XiR P8260) (XiR P8268) 1W 5W © 125 kHz 125 kHz 125 kHz 125 kHz 20 25 kHz 1125 kHz 125 kHz 1125 kHz 106 kHz 118 kHz 128 kHz 138 kHz 148 kHz 15 kHz 16 kHz 18 kHz		+1, -57 450-512 MHz 12.5 kH +/- 1.5 ppm +/- 0.5 ppm W W +/- 2.5 kHz -40.68 @ -45.68 M -30.68 M -30.68 M -70.68 M -70.68 M -11, -12,5 kHz -12,5 kHz -12,5 kHz Data -12,5 kHz Data -12,5 kHz Data -12,5 kHz Data -14, AME	3 dB dBm 136-174 MHz z/ 25 kHz n XiF P8200] n XiF P8208] 1W 5W 20 12.5 kHz 2 z0 25 kHz 0 12.5 kHz 0 12.5 kHz 0 12.5 kHz 0 12.5 kHz 10.5	
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AUTHORIZED DEALER

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Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements.