MOTOROLA

ON-SITE TWO-WAY BUSINESS RADIOS AND ACCESSORIES

XT200 SERIES
BUILT TOUGH TO DO BUSINESS BETTER

Motorola XT200 Series two-way radios have the business smarts to help people work better together — coordinating resources at the construction site or monitoring production on the manufacturing line. They come with the right credentials to give business the competitive edge: exceptional quality, affordability and durability to outlast high noise, tough conditions and hard use.

WORK TOGETHER EFFICIENTLY AND SAFELY
Focus on the job with instant push-to-talk that keep your hands free. The XT200 Series delivers loud and clear audio output thanks to its powerful built-in loudspeaker and the user can select between 8 channels and 122 privacy codes to help ensure a clear signal.

CONNECT EASILY THROUGHOUT THE WORKPLACE
XT200 Series radios make it easy to get the work done. Compact yet performance-packed, the XT200 Series provides coverage up to 16 250 m^2, 13 floors or 9km line of sight[2]. A carry holster with swivel belt clip lets you rotate the radio to fit comfortably and move freely while picking up a tool or restocking a shelf.

KEEP ON TALKING IN TOUGH CONDITIONS
Military Standard 810 C, D, E, F and G plus IP54 may be the standards for other radio manufacturers, but they are the starting point for our XT200 Series. These radios undergo Motorola's unique Accelerated Life Testing (ALT). This rigorous laboratory testing simulates up to 5 years of field use. We design and build the XT200 Series right the first time to minimize costly repairs and downtime.

TOOLS & ACCESSORIES
The HTML-based Customer Programming Software is so easy to use, it works with any computer browser. Plus you can re-use your XTNi audio accessories to unleash the power of your XT200 Series radios.

FEATURES:

- Operates on subscription-free PMR446 and LPD frequencies[1]
- 8 Channels
- On/off/volume control knob
- 16-position channel/code selector knob
- Programmable side buttons
- Battery Save
- USB CPS Interface
- Scan and Scan List
- Time-Out Timer
- Compatible with XTNi Audio Accessories
- VOX

GENERAL SPECIFICATIONS

	XT220	XT225
Frequency Range	PMR446 (446.00625 – 446.09375 MHz)	PMR446 (446.00625 – 446.09375 MHz) & LPD433 (433.075 - 434.775 MHz)
Audio Output	800 mW	
Channel Capacity	16 Channels	
Channel Bandwidth	12.5 kHz	12.5 / 25.0 kHz
Private Codes	122 codes (CTCSS 39, DCS 83)	
Dimensions with: Standard Li-Ion Battery	116 x 58 x 40 mm	
Weight with: Standard Li-Ion Battery	230g	
Average Battery Life @ 5/5/90[3] with Standard 2150 mAH Li-Ion Battery	Up to 18 hours with 0.5 W transmit power and with battery save on	
Battery Voltage	3.7V Li-Ion	

RECEIVER

Sensitivity (12 dB SINAD)	-121 dBm (0.20 µV)
Adjacent Channel Selectivity	60 dB @ 12.5 kHz
Intermodulation Rejection	60 dB
Spurious Response Rejection (blocking 1 MHz)	70 dB
Audio Distortion	< 5%
CSQ Hum and Noise @ 12.5 kHz	-40 dB
Spurious Emissions (< 1 GHz)	< -57 dBm
Spurious Emissions (> 1 GHz)	< -52 dBm
Audio Output @ < 5% Distortion	0.8 W @ 8 ohm

TRANSMITTER

	XT220	XT225
RF Output	0.5 Watt	0.01 - 0.5 Watt
Frequency Stability	< 2.5 ppm	
FM Hum and Noise	< -38 dB	
Modulation Limiting	±2.5 kHz @ 12.5 kHz	
Adjacent Channel Power	62 dBc @ 12.5 kHz	
Spurious Emissions @ 12.5 kHz	-36 dbm for f < 1 GHz, -30 dbm for f> 1 GHz	
Audio Frequency Response (0.3 - 3.0 kHz)	+3 to -3 dB	
Audio Distortion	< 3%	

MILITARY SPECIFICATIONS

Standard	MIL 810 C	MIL 810 D	MIL 810 E	MIL 810 F	MIL 810 G
Low Pressure	500.1 / Procedure 1	500.2 / Procedure 2	500.3 / Procedure 2	500.4 / Procedure 1	500.5 / Procedure 1
High Temperature	501.1 / Procedure 1,2	501.2 / Procedure 1,2	501.3 / Procedure 1,2	501.4 / Procedure 1,2	501.5 / Procedure 1,2
Low Temperature	502.1 / Procedure 1	502.2 / Procedure 1,2	502.3 / Procedure 1,2	501.4 / Procedure 1,2	501.5 / Procedure 1,2
Temperature Shock	503.1 / Procedure 1	503.2 / Procedure 1	503.3 / Procedure 1	503.4 / Procedure 1	503.5 / Procedure 1
Solar Radiation	505.1 / Procedure 1	505.2 / Procedure 1	505.3 / Procedure 1	505.4 / Procedure 1	505.5 / Procedure 1
Rain	506.1 / Procedure 1,2	506.2 / Procedure 1,2	506.3 / Procedure 1,2	506.4 / Procedure 1	506.5 / Procedure 1
Humidity	507.1 / Procedure 2	507.2 / Procedure 2,3	507.3 / Procedure 2,3	507.4 / Procedure 3	507.5 / Procedure 3
Dust	510.1 / Procedure 1	510.2 / Procedure 1	510.3 / Procedure 1	510.4 / Procedure 1	510.5 / Procedure 1
Vibration	514.2 / Procedure 8,10	514.3 / Procedure 1	514.4 / Procedure 1	514.5 / Procedure 1	514.6 / Procedure 1
Shock	516.2 / Procedure 1,2,5	516.3 / Procedure 1,4	516.4 / Procedure 1,4	516.5 / Procedure 1	516.5 / Procedure 1

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-25ºC[4] to +55ºC
Sealing	IP54
Shock and Vibration	Polycarbonate Housing passes EIA 603
Dust and Humidity	Satisfied EIA 603

[1] XT220 only operates on PMR446 frequencies
[2] Coverage will vary based on terrain and conditions
[3] Actual battery runtime observed may vary based on usage
[4] Radio only - Li-Ion battery -10ºC

For more information on the radio that's built tough to do business better, visit the Motorola XT200 Series website at www.motorolasolutions.com/XTseries or find your closest Motorola representative or authorised Partner at www.motorolasolutions.com/contactus

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