SPECIFICATIONS

GENERAL			
Frequency Range		UHF:400-470MHz; VHF:136-174MHz	
Channel Capacity		256 (16 channels per zone)	
Zone Capacity		16	
Channel spacing		12.5 / 25 KHz	
Operating Voltage		13.6 V ±15%	
Current Drain	Standby	around 0.3A	
	Receive	< 1 A	
	Transmit	1W	<3A
		25W	<8A
		5W	<5A
		45W/50W	<12A
Weight		1100g	
Dimensions		164 X 43 X 150 mm	
Frequency Stability		±0.5 ppm	
Antenna Impedance		50Ω	
LCD Display		128*64 pixels, monochrome, 1.5 inch, 2 rows	

RECEIVER			
Sensitivity	Analog	VHF: 0.16uV (12dB SINAD) UHF: 0.18uV (12dB SINAD)	
	Digital	VHF: 0.16uV/BER5% UHF: 0.18uV/BER5%	
Selectivity	TIA-603	60dB @ 12.5KHz / 70dB @ 25KHz#	
	ETSI	60dB @ 12.5KHz / 70dB @ 25KHz#	
Intermodulation	TIA-603	70dB @ 12.5/25KHz#	
	ETSI	65dB @ 12.5/25KHz#	
Spurious Response Rejection	TIA-603	70dB @ 12.5/25KHz#	
	ETSI	70dB @ 12.5/25KHz	
Blocking	TIA-603	90dB	
	ETSI	84dB	
Hum and Noise		40dB @ 12.5KHz 45dB @ 25KHz#	
Rated Audio Power Output		Internal (@16 ohm load)	4W
		External (@8 ohm load)	8W
Max Audio Power Output		Internal (@16 ohm load)	6W
		External (@8 ohm load)	10W
Rated Audio Distortion		⩽3%	
Audio Response		+1 ~ -3dB	
Conducted Spurious Emission		<-57dBm	

TRANSMITTER	
RF Power Output	Low power version: 1-25W (UHF/VHF) High power version: 5-45W(UHF) / 5-50W(VHF)
FM Modulation	11K0F3E @ 12.5KHz; 16K0F3E @ 25KHz#
4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW
Conducted/Radiated Emission	-36dBm<1GHz; -30dBm>1GHz
Modulation Limiting	±2.5KHz @ 12.5KHz ±5.0KHz @ 25KHz#
FM Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz#
Adjacent Channel Power	60dB @ 12.5KHz; 70dB @ 25KHz#
Audio Response	+1 ~ -3dB
Audio Distortion	≤3%
Digital Vocoder Type	AMBE+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3

POSITIONING SPECIFICATIONS (VHF ONLY)	
Positioning System	BeiDou Only; GPS Only; GPS + BeiDou
Cold Start (Time to First Fix)	<1 minute
Hot Start (Time to First Fix)	<10 seconds
Horizontal Position Accuracy	<5 m

BLUETOOTH	
Output Power	-6~10dBm
Modulation Characteristics	145KHz<Df1max<175KHz Df2max>115KHz Df2avg/ Df1avg>0.8
Initial Carrier Frequency Accuracy	±75KHz
Single-slot Sensitivity	-80dBm BER<0.1%
Maximum Input Level	-20dBm BER<0.1%

ENVIRONMENTAL	
Operating Temperature	-30°C~ +60°C
Storage Temperature	-40°C~ +85°C
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)
American Military Standard	MIL-STD-810 G
Dustproof & Waterproof	IP54 Standard
Humidity	MIL-STD-810 G Standard
Shock & Vibration	MIL-STD-810 G Standard

#20KHz/25KHz will not be available on new equipment in the U.S. after 2011-01-01.

All specifications are subject to change without notice due to continuous development.

MD62X, X=0, 2, 5,6 or 8, model number varies geographically. For details, please contact our regional sales representatives.

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Digital **Migration** Radio

MD62X



➤ Analog & Digital Dual Modes ➤ Clear Voice

www.hytera.com



PROFESSIONAL AND SIMPLE TO USE

A&D Auto Detect
Compatible with analog conventional and digital conventional modes. Allow MD62X to simultaneously monitor analog and digital modes and automatically respond in each mode. It is an easy way for migration to digital from analog.

ENLARGE TALKING RANGE
With a high RF power output up to 50W, MD62X can dramatically enlarge your communication range.

ANALOG SIGNALING
Support DTMF and HDC1200 signaling in analog mode.

DATA SERVICES
MD62X supports data capabilities, such as call alias, contacts, history, text message.

RELIABLE AND DURABLE
MD62X is compliant with MIL-STD-810 G and IP54.

GPS POSITIONING (VHF Optional)
MD62X offers an optional built-in GPS function for real-time location tracking and reporting to AVL applications.

SUPPLEMENTARY FEATURES (Optional)
MD62X supports radio Enable/Disable, Remoter Monitor and Priority Interrupt.

EMERGENCY ALARM/CALL
Use the orange emergency button to initiate an emergency alarm and call to other radios.

BLUETOOTH (OPTIONAL)
Built-in Bluetooth supports MD62X to have wireless audio accessories.

PRIVACY
Basic end-to-end Encryption secures your voice and data transmission.

ROAMING (Optional)
It allows MD62X to be used in a large multi-site network.

TARGET MARKETS


Taxi


Agriculture


Truck


Delivery



School Bus


Ambulance

ACCESSORIES

Standard


Power Cord


Mounting Bracket


Palm Microphone

Options


Desktop Microphone


External Speaker


Programming Cable


Foot Switch (external PTT)


Ignition Cable


Power Supply (100~240VAC/5A 13.8VDC/16A)


Ring PTT


Earpiece


Antenna


GPS Antenna


Back to Back Data Cable