



DMR Radio Product Comparison Guide

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Introduction

About Hytera

Hytera is a global leader in research and development, state-of-the-art manufacturing, and bringing next-generation radio technology to the market. Hytera has ten R&D Innovation Centers around the world and is dedicated to providing radio systems that enable efficient communications and enhance safety.

Hytera has established consummate quality systems, and has passed ISO 9001, ISO 14001, OHSAS 18001 certifications, and has implemented the rigorous Six Sigma management system.

Digital Mobile Radio (DMR)

Digital Mobile Radio (DMR) is the open radio industry standard developed by The European Telecommunications Standards Institute (ETSI) and promoted worldwide by the DMR Association. Hytera was instrumental in the development of the DMR standard and with the initial launch of fully compliant DMR two-way radios.

DMR provides capabilities that improve digital radio communications:

- Instant push-to-talk individual and group calling with radio identification
- Doubles the capacity of existing licensed radio channels
- Provides efficient use of infrastructure equipment
- Improves power efficiency for longer battery life
- System flexibility through simultaneous use of TDMA channels
- Superior audio performance with digital background noise suppression

Hytera iSeries Two-Way DMR Radios

Hytera DMR iSeries product lines provide the most broad and diverse DMR product offering in the industry. Hytera DMR radios are known for their legendary durability and ruggedness, and for being the best value for feature rich radios.

- Advanced voice, text, and dispatch communications features
- Supports both analog and digital operation modes
- Rugged and reliable with IP and MIL-STD compliance
- Lithium-Ion batteries that enable up to 16 hours of operation
- Emergency calling, lone worker, and man down safety features
- Encryption for secure communications
- Built-in GPS and Bluetooth
- Wide variety of earpiece, microphone, and charging accessories

Intrinsically Safe UL913 DMR Radios

Hytera provides the broadest line of Intrinsically Safe UL913 radios available on the market. Hytera IS radios are designed for safe use in mining and energy production environments with explosive gas and combustible dust.

DMR Repeaters and Trunking Systems

Hytera provides a variety of network radio systems, including Analog and Tier II Digital Conventional Repeaters that can be connected via IP networks for Wide-Area deployments, pseudo trunking, and eXtended Pseudo Trunking (XPT). Tier III trunking systems are also available for professional radio networks.



BD302i

BD5i Series

PD362i

PD4i Series

PD5i Series

PD6i Series

PD7i Series

PD982i









DMR Radios Comparison Overview

Commercial Radios

For employees in business and education who need reliable, lightweight, and easy to use two-way radios

Professional Radios

For users in demanding environments who need rugged two-way radios with advanced communications and worker safety features

							
BD302i	BD5i Series	PD362i	PD4i Series	PD5i Series	PD6i Series	PD7i Series	PD982i
Entry-Level	Mid-Level				Pro-Level		
Short Range	Long Range	Short Range	Long Range				
Lightweight and Easy to Use			GPS ¹		GPS ¹		GPS
IP54 (PD402i is rated IP55)					IP67		IP68
	Bluetooth ¹		Bluetooth ¹		Bluetooth ²		Bluetooth
		Text Messaging ¹					
		Worker Safety Features ³		Advanced Worker Safety Features ³			
		Radio Registration Service (RRS) for Dispatching Applications and Roaming Between Repeaters					
				XPT ³		Extended Pseudo Trunk (XPT)	
						DMR Tier 3 Trunking ³	

1 Not available on all models in the series

2 Requires external Bluetooth adapter

3 Requires additional license fee









¹ Not available on all models in the series

² Requires external Bluetooth adapter

³ Requires additional license fee

DMR Radio Recommendations for Vertical Markets

Here are some general recommendations on how Hytera DMR iSeries radios can be deployed by different types of users.

Warehousing and Logistics							
Sports and Entertainment							
Education							
Hotels and Gaming							
Property Management							
Retail and Restaurants							
							
BD302i	BD5i Series	PD362i	PD4i Series	PD5i Series	PD6i Series	PD7i Series	PD982i
<div>Commercial Radios</div> <div>For employees in business and education who need reliable, lightweight, and easy to use two-way radios.</div>					Mining		
					Utilities		
					Energy Production and Distribution		
					Construction and Building Supplies		
					Manufacturing		
					Agriculture		
					Security Professionals		

Descriptions of DMR Product Lines

BD302i Entry-Level Commercial DMR Radio



The Hytera BD302i is an entry-level, grab-and-go digital radio that requires minimal training for users. The **BD302i** has 2W of output power, which is suitable for small and medium workplaces like retail, hospitality, and small campuses. The BD302i is compact and lightweight, and provides impressive audio quality and excellent value for the money.

Many radio manufacturers are discontinuing their legacy analog radio systems, and the BD302i supports both analog and digital modes to provide a simple and cost-effective way to migrate to modern digital radios.

The BD302i is IP54 and MIL-STD 801G rated for durability. It features a 2200mAh Li-Ion battery that can be charged with an AC/DC power adapter or with an optional dual pocket (radio and battery) charger. The BD302i supports the 400 to 470MHz UHF frequency band with 48 channels.

BD5i Series Commercial DMR Radios



The Hytera **BD502i** and **BD552i** two-way radios are compact and rugged radios that provide reliable communications in an easy-to-use package. The BD5i Series is a step up from the BD302i with higher output power for extended range, and broader UHF and VHF frequency bands.

The BD5i radios are IP54 and MIL-STD 801G rated for durability. They feature 1500mAh Li-Ion battery that can be charged with an AC/DC power adapter, a drop-in single-unit charger, or with an optional 6-unit charger. They support the 400 to 470MHz UHF and 136 to 174MHz VHF frequency bands.

The **BD502i** supports 48 channels and audio channel announcement. The **BD552i** supports 256 channels and adds a single-line OLED display and Bluetooth.

PD362i Commercial DMR Radio



The perfect balance of price and performance, the **PD362i** is one of the best-selling Hytera DMR radios. The PD362i is a compact and lightweight radio with a built-in antenna that can be carried in a pocket or attached to a lanyard.

The PD362i delivers a range of popular features in a small form factor. It has 1.5 to 3W of power, and is ideal for use in big box retail, hotels and casinos, and education environments. It features an LED screen for operational status and text messages and a partial keyboard with custom programmable buttons. The PD362i supports advanced networking with dispatching applications, roaming between repeaters, and Pseudo Trunking.

The PD362i is IP54 and MIL-STD 801G rated for durability. It features 2000mAh Li-Ion battery that can be charged with an AC/DC power adapter, a USB cable, an optional single unit drop in charger, or a wireless charger. The PD362i supports the 400 to 470MHz UHF frequency band with 48 channels.

PD4i Series Commercial DMR Radios



The Hytera **PD402i** and **PD482i** are robust and reliable two-way radios ideal for users operating in manufacturing, facilities management, or education. The PD4i series supports advanced networking with dispatching applications, roaming between repeaters, and Pseudo Trunking.

The PD4i series provides higher power (5W VHF, 4W UHF) for extended range, and optional safety and encryption features.

The **PD402i** is IP55 rated, features audio channel announcement, and supports 48 channels and the 400 to 470MHz UHF and 136 to 174MHz VHF frequency bands. The **PD482i** is IP54 rated and adds an OLED display, text messaging, encryption, 256 channels, Bluetooth, and GPS. It supports the 350 to 470MHz UHF and 136 to 174MHz VHF frequency bands.

Descriptions of DMR Product Lines

PD5i Series Commercial DMR Radios



PD502i PD562i

The Hytera **PD502i** and **PD562i** are robust and reliable two-way radios and are similar to the PD4i Series. The PD5i Series supports advanced networking with roaming between repeaters, dispatching applications, Pseudo Trunking and single site XPT (via license).

The PD5i Series radios are IP54 and MIL-STD 801G rated for durability and are available with optional safety and encryption upgrade features. They feature a 1500mAh Li-Ion battery for up to 16 hours per charge, and can be charged with an AC/DC power adapter, a single-unit charger, or an optional 6-unit charger.

The PD5i Series supports the 400 to 470MHz UHF and 136 to 174MHz VHF frequencies. The **PD502i** supports 256 channels and features clear digital audio with encryption. The **PD562i** supports 512 channels, and adds an LCD display, partial keypad, and text messaging. The PD5i Series also includes two Intrinsically Safe Models.

PD6i Series Professional DMR Radios



PD602i PD662i PD682i

The Hytera **PD6i Series** are the best-selling Hytera DMR radios. They are rugged and reliable with an external metal frame and IP67 rating for dust and full water immersion. The PD6i Series supports advanced network capabilities including DMR Tier III Trunking (via license). The PD6i Series also supports Man Down, Lone Worker, Priority Interrupt, and Emergency calling safety features.

The PD6i Series feature 2000mAh Li-Ion batteries and supports the 400 to 572MHz UHF and 136 to 174MHz VHF frequency

bands. The **PD602i** supports 256 channels and 16 zones. The **PD662i** and the **PD682i** support 1,024 channels and 64 zones. The **PD662i** features an LCD screen and partial keypad, the **PD682i** features an LCD screen and full keypad. The PD6i Series includes three Intrinsically Safe Models.

PD7i Series Professional DMR Radios



PD702i PD752i PD782i

The Hytera **PD7i Series** offers a vast array of functionality and remarkable durability for reliable and secure communications. The PD7i Series DMR radios have metal frame and are IP67 rated for dust and full water immersion. The PD7i Series supports advanced network capabilities including DMR Tier III Trunking (via license). The PD7i Series also supports Man Down, Lone Worker, Priority Interrupt, and Emergency calling safety features.

The PD7i Series is similar to the PD6i Series, and adds vibration alerts, an emergency button, and additional frequency spectrum. The PD7i Series supports the UHF 1 and 3 bands, along with the 136 to 174MHz VHF frequency band. The **PD702i** supports 256 channels and 16 zones. The **PD752i** and the **PD782i** support 1,024 channels and 64 zones. The **PD752i** features an LCD screen and partial keypad, the **PD782i** features an LCD screen and full keypad. The PD7i Series includes three Intrinsically Safe Models.

PD982i Professional DMR Radio



The Hytera **PD982i** is the ultimate portable digital radio. Offering the highest level of advanced features and an exceptional audio experience, the PD982i can be used in the most challenging environments. It has the top rated IP68 certification against dust and water immersion.

The PD982i is capable of full duplex calling on DMR Tier II and DMR Tier III systems to allow voice communications without pressing a button.

The PD982i can be used as a single frequency repeater to improve coverage (with upgrade license). The PD982i has a 2000mAh smart battery with an impressive 19-hour life, and features Bluetooth, GPS, optimized push-to-talk, a dedicated emergency button, and the full suite of safety features.

On-device voice recording is available (with a micro-SD card and upgrade license).

Commercial DMR Radios Feature Comparison Table (Page 1 of 2)



Feature	BD302i	BD502i	BD552i	PD362i	PD402i	PD482i	PD502i	PD562i
Keypad	–	–	–	Partial Keypad	–	Full Keypad	–	Partial Keypad
Display Screen	–	–	Single Line OLED	2-Line LCD	–	Three-Line OLED	–	2-Line LCD
Frequency Bands	UHF 400 - 470MHz	UHF 400 - 470MHz VHF 136 - 174MHz	UHF 400 - 470MHz VHF 136 - 174MHz	UHF 430 - 470MHz	UHF 400 - 470MHz VHF 136 - 174MHz	UHF 350 - 470MHz VHF 136 - 174MHz	UHF 400 - 470MHz VHF 136 - 174MHz	UHF 400 - 470MHz VHF 136 - 174MHz
Channels (Analog / Digital)	48 (24/24)	48 (24/24)	256 (128/128)	256 (128/128)	48 (24/24)	256 (128/128)	256 (128/128)	512 (256/256)
Zones (16 Channels Each)	3	3	16	16	3	16	16	32
RF Output Power	2W	VHF 5W, UHF 4W	VHF 5W, UHF 4W	1.5W – 3W	VHF 5W, UHF 4W	VHF 5W, UHF 4W	VHF 5W, UHF 4W	VHF 5W, UHF 4W
DMR Digital Noise Suppression	YES	YES	YES	YES	YES	YES	YES	YES
Pre-Defined Text Messaging	–	–	–	10 Messages, 64 Characters Each	–	10 Messages, 64 Characters Each	–	25 Messages, 256 Characters Each
Free Form Text Messaging	–	–	–	–	–	YES	–	YES
Programmable Buttons	1	1	1	1 side and 3 front panel buttons	2 side buttons	1 top and 2 side buttons	1 side button	1 side and 3 front panel buttons
GPS	–	–	–	–	–	YES (GPS Model)	–	–
Vibration Alert	–	–	–	–	–	–	–	–
Bluetooth	–	–	YES (BT Model)	–	–	YES (BT Model)	–	–
Standard Battery (Optional)	Li-Ion 2000mAh	Li-Ion 1500mAh (2000mAh Optional)	Li-Ion 1500mAh (2000mAh Optional)	Li-Ion 2000mAh	Li-Ion 1500mAh (2200mAh Optional)	Li-Ion 2000mAh (1500mAh Optional)	Li-Ion 1500mAh	Li-Ion 1500mAh
5-5-90 Charge Life Digital Mode	16 Hours	16 Hours (22 Hours)	16 Hours (22 Hours)	12 Hours	16 Hours (22 Hours)	22 Hours (16 Hours)	16 Hours	16 Hours
Standard Charger	AC/DC Power Adapter	Single Unit Drop-In Charger	Single Unit Drop-In Charger	AC/DC Power Adapter, USB Charging Cable	AC/DC Power Adapter	AC/DC Power Adapter	AC/DC Power Adapter, Single Unit Charger	AC/DC Power Adapter, Single Unit Charger
Optional Accessory Chargers	Dual Pocket Charger (Radio and battery)	Six-Unit Charger	Six-Unit Charger	Single Unit Charger, Wireless Charger, Six- Unit Charger	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger

Commercial DMR Radios Feature Comparison Table (Page 2 of 2)



Feature	BD302i	BD502i	BD552i	PD362i	PD402i	PD482i	PD502i	PD562i
MIL-STD 810 C/D/E/F/G	YES	YES	YES	YES	YES	YES	YES	YES
IP Rating	IP54	IP54	IP54	IP54	IP55	IP54	IP54	IP54
Intrinsically Safe Models	—	—	—	—	—	—	PD502i UL913	PD562i UL913
Channel Scanning	Analog or Digital	Analog or Digital	Analog or Digital	Analog and Digital	Analog and Digital	Analog and Digital	Analog and Digital	Analog and Digital
Voice Activated Mic (VOX)	YES	YES	YES	YES	YES	YES	YES	YES
Conventional Repeaters	YES	YES	YES	YES	YES	YES	YES	YES
Pseudo Trunk Operation	YES	YES	YES	YES	YES	YES	YES	YES
Extended Pseudo Trunk (XPT)	—	—	—	—	—	—	YES (Single Site)*	YES (Single Site)*
DMR Tier III Trunking	—	—	—	—	—	—	—	—
Radio Registration Service (RRS) for Dispatching Applications	—	—	—	YES	YES	YES	YES	YES
Roaming	—	—	—	YES	YES	YES	YES	YES
Single Mode Repeater	—	—	—	—	—	—	—	—
Digital Encryption	—	—	—	Basic*	Basic*	Basic	Basic	Basic
Analog Scrambler	YES	YES	YES	YES	YES	YES	YES	YES
Emergency Calling	YES	YES	YES	YES	YES	YES	YES	YES
Emergency Button	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable
Priority Interrupt	—	—	—	YES*	YES*	YES*	YES*	YES*
Man Down	—	—	—	—	—	—	—	—
Lone Worker	—	—	—	—	—	—	YES	YES
Remote Monitor	—	—	—	YES*	YES*	YES*	YES*	YES*
Stun / Revive	—	—	—	YES*	YES*	YES*	YES*	YES*

*Requires additional license fee

Professional DMR Radios Feature Comparison Table (Page 1 of 2)



Feature	PD602i	PD662i	PD682i	PD702i	PD752i	PD782i	PD982i
Keypad	–	Partial Keypad	Full Keypad	–	Partial Keypad	Full Keypad	Full Keypad
Display Screen	–	1.8" Color TFT LCD 160 x 128 pixels, 4 rows	1.8" Color TFT LCD 160 x 128 pixels, 4 rows	–	1.8" Color TFT LCD 160 x 128 pixels, 4 rows	1.8" Color TFT LCD 160 x 128 pixels, 4 rows	1.8" Color TFT LCD 160 x 128 pixels, 4 rows
Frequency Bands MHz	UHF 400 – 572 VHF 136 – 174	UHF 400 – 572 VHF 136 – 174	UHF 400 – 572 VHF 136 – 174	UHF1 400-470, UHF2 450-520, VHF 136-174	UHF1 400 – 470 VHF 136-174	UHF1 400-470, UHF2 450-520, VHF 136-174	UHF 350-527 VHF 136 – 174
Channels (Analog / Digital)	256 (128/128)	1,024 (512/512)	1,024 (512/512)	256 (128/128)	1,024 (512/512)	1,024 (512/512)	1,024 (512/512)
Zones (16 Channels per Zone)	16	64	64	16	64	64	64
RF Output Power	VHF 5W, UHF 4W	VHF 5W, UHF 4W	VHF 5W, UHF 4W	VHF 5W, UHF 4W	VHF 5W, UHF 4W	VHF 5W, UHF 4W	VHF 5W, UHF 4W
DMR Digital Noise Suppression	YES	YES	YES	YES	YES	YES	YES
Pre-Defined Text Messaging		10 messages 64 characters each	10 messages 64 characters each		10 messages 64 characters each	10 messages 64 characters each	10 messages 64 characters each
Free Form Text Messaging	–	–	YES	–	–	YES	YES
Programmable Buttons	1 side	1 side and 2 front panel buttons	1 side and 2 front panel buttons	2 side and 1 top button	2 side, 1 top, and 2 front panel buttons	2 side, 1 top, and 2 front panel buttons	2 side, 1 top, and 2 front panel buttons
GPS	YES	YES	YES	YES	YES	YES	YES
Vibration Alert	-	-	-	YES	YES	YES	YES
Bluetooth	YES (External Adapter)	YES (External Adapter)	YES (External Adapter)	YES (External Adapter)	YES (External Adapter)	YES (External Adapter)	YES
Battery	Li-Ion 2000mAh	Li-Ion 2000mAh	Li-Ion 2000mAh	Li-Ion 2000mAh	Li-Ion 2000mAh	Li-Ion 2000mAh	Li-Ion 2000mAh
5-5-90 Charge Life Digital Mode	16 Hours	16 Hours	16 Hours	15 Hours	15 Hours	15 Hours	19.5 Hours
Standard Charger	AC/DC Power Adapter, Single Unit Charger	AC/DC Power Adapter, Single Unit Charger	AC/DC Power Adapter, Single Unit Charger	AC/DC Power Adapter, Single Unit Charger	AC/DC Power Adapter, Single Unit Charger	AC/DC Power Adapter, Single Unit Charger	AC/DC Power Adapter, Single Unit Charger
Optional Accessory Chargers	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger	Dual Pocket Charger, Six-Unit Charger

Professional DMR Radios Feature Comparison Table (Page 2 of 2)



Feature	PD602i	PD662i	PD682i	PD702i	PD752i	PD782i	PD982i
IP Rating	IP67	IP67	IP67	IP67	IP67	IP67	IP68
MIL-STD 810 C/D/E/F/G	YES	YES	YES	YES	YES	YES	YES
Intrinsically Safe Model	PD602i UL913	PD662i UL913	PD682i UL913	PD702i UL913	—	PD782i UL913, PD792i-Ex	PD982i UL913
Channel Scanning	Analog and Digital	Analog and Digital	Analog and Digital	Analog and Digital	Analog and Digital	Analog and Digital	Analog and Digital
Voice Activated Mic (VOX)	YES	YES	YES	YES	YES	YES	YES
Conventional Repeaters	YES	YES	YES	YES	YES	YES	YES
Pseudo Trunk Operation	YES	YES	YES	YES	YES	YES	YES
Extended Pseudo Trunk (XPT)	YES	YES	YES	YES	YES	YES	YES
DMR Tier III Trunking	YES*	YES*	YES*	YES*	YES*	YES*	YES*
Radio Registration Service (RRS)	YES	YES	YES	YES	YES	YES	YES
Roaming	YES	YES	YES	YES	YES	YES	YES
Single Frequency Repeater	—	—	—	—	—	—	YES
Digital Encryption	Basic, ARC4/AES*, Advanced Hytera AES*	Basic, ARC4/AES*, Advanced Hytera AES*	Basic, ARC4/AES*, Advanced Hytera AES*	Basic, ARC4/AES*, Advanced Hytera AES*	Basic, ARC4/AES*, Advanced Hytera AES*	Basic, ARC4/AES*, Advanced Hytera AES*	Basic, ARC4/AES*, Advanced Hytera AES*
Analog Scrambler	YES	YES	YES	YES	YES	YES	YES
Emergency Calling	YES	YES	YES	YES	YES	YES	YES
Emergency Button	Programmable	Programmable	Programmable	Dedicated	Dedicated	Dedicated	Dedicated
Priority Interrupt	YES*	YES*	YES*	YES*	YES*	YES*	YES
Man Down	Specify Man Down Model	Specify Man Down Model	Specify Man Down Model	Specify Man Down Model	Specify Man Down Model	Specify Man Down Model	YES
Lone Worker	YES	YES	YES	YES	YES	YES	YES
Remote Monitor	YES	YES	YES	YES	YES	YES	YES
Stun / Revive	YES	YES	YES	YES	YES	YES	YES

*Requires additional license fee

Feature Definitions (Page 1 of 2)

Frequency Bands	These are the frequencies within the radio spectrum supported by the radio.
Channels Analog / Digital	The number of channels that can be utilized for simplex (one way at a time) radio calls.
Zones (16 Channels per Zone)	A method of grouping and organizing channels for users.
RF Output Power	This is the transmission power of the radio. The higher the power, the better the radio communication range and its ability to communicate through walls.
DMR Digital Noise Suppression	The voice encoder digitally processes the audio and eliminates background noise. This is specified as part of the DMR standard, and Hytera provides additional digital enhancements to audio quality.
Pre-Defined Text Messaging	The radio can receive and display pre-defined text messages from a dispatch application and other radios. Provides a way to notify employees of common instructions without radio conversations.
Free Form Text Messaging	The radio has a full keypad that allows users to send free-form text messages.
Programmable Buttons	Buttons on the top or side of the radio that can be customized for different functions, such as emergency calls, zone switch, mode change, and more.
GPS	Allows tracking of the radio location with Global Positioning System so dispatchers can see user locations to track vehicle assets, coordinate field operations, and improve worker safety.
Vibration Notification	The radio vibrates to notify the user of calls or messages. Used in covert operations, indoor applications, or noisy environments.
Bluetooth	Bluetooth support allows wireless communication between the radio and external accessories such as earpieces, microphones, and push-to-talk buttons.
Battery	Hytera uses long-lasting, lightweight, and durable Lithium-Ion batteries.
5-5-90 Charge Life Digital Mode	The operational life a battery on a single charge, based on a 5-5-90 duty cycle. A duty cycle of 5-5-90 means 5% of the time the radio is transmitting, 5% of the time it is receiving (or listening to a conversation), and 90% on standby waiting for a call.
IP Rating	IP rating specifies how well the radio resists water and dirt penetrating the housing of the radio. IP54, IP55, IP67, and IP68 provide incremental improvements with IP68 as the highest available protection.
MIL-STD 810 C/D/E/F/G	MIL-STD-810 is the performance and manufacturing guidelines set by the US Department of Defense for military and commercial equipment. The military standard specifies operational compliance for temperature, shock, vibration, and humidity.
Analog/Digital Scanning	The radio can scan other channels for calls. The radio can scan both analog and digital, or either analog or digital channels depending on the radio model.
Voice Activated Microphone (VOX)	Voice Activated Microphone enables hands-free voice activation of the microphone. VOX might require the use of specific accessories.
Conventional Digital/Analog Repeaters	The radio can be used with conventional DMR Tier II repeaters that support both digital and analog operation.
Pseudo Trunk Operation	In DMR transmissions there are two slots per channel. Pseudo trunking allows a radio to use whichever slot is free for a call.
Extended Pseudo Trunk (XPT)	XPT is a single or multi-site radio system that allows radios to share channels for trunked style operation, without the need for a dedicated control channel.

Feature Definitions (Page 2 of 2)

DMR Tier III Trunking	DMR Tier III supports radio trunking with a controller that automatically manages and optimizes the radio communication channels. Tier III enables voice, text messaging, and packet data services.
Radio Registration Service (RRS)	Allows a dispatching application to see when a radio is switched on or off.
Roaming	Allows mobile terminals to automatically move between sites in an IP-connected, multi-site repeater system.
Single Frequency Repeater	SFR allows a radio to function as a repeater so it can extend the distance of a channel between two radios. Provides a flexible method to extend talk range in dynamic outdoor applications.
Digital Encryption	Allows the communication between radios to be encrypted for user safety and security.
Analog Scrambler	Provides the ability to communicate securely between devices using analog signaling.
Emergency Calling	Enables an emergency call to be broadcast to all radios simultaneously.
Emergency Button	A button that alerts dispatch or triggers an emergency call and/or message to a group of radio users. An emergency button can be a programmable button configured as an emergency trigger, or a dedicated emergency button located on the top of the radio.
Priority Interrupt	Priority Interrupt allows a dispatcher or select radio users to interrupt existing radio calls.
Man Down	Sends an alarm to dispatch if a radio has been sitting still or at an angle for a pre-defined period of time. Man Down can alert the dispatcher if a worker is injured, unconscious, or incapacitated.
Lone Worker	Lone Worker requires a user to press a button, in response to an audible alert from the radio, to ensure the user is safe. If the user does not press the button, the radio will automatically notify dispatch.
Remote Monitor	Allows dispatchers to remotely monitor radio communications of users in emergency situations.
Stun / Revive	Allows dispatch to stun (disable) a stolen or missing radio, and to revive (re-enable) the radio if located. This is used to maintain the privacy and security of communications on the radio network.



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