

FEATURE COMPARISON CHART



		MOTOTRBO PORTABLE RADIOS										MOTOTRBO MOBILE RADIOS				
		DP1000 SERIES	DP2000 SERIES	RIES DP4000 SERIES			DP4000 Ex SERIES DP3441			SL SE	RIES	DM1000	0 SERIES	DM2000 SERIES	0 SERIES DM4000 SERIES	
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			State		101	323		392		DISS	[0]	1 02 1				
		DP1400	DP2400 DP2600	DP4400/	DP4600/	DP4800/	DP4401 Ex	DP4801 Ex	DP3441	SL1600	SL4000/	DM1400	DM1600	DM2600	DM4400/	
		51 1400	DI 2400	DP4401	DP4601	DP4801					SL4010	Diii 1400	Din 1000	DM2000	DM4401	DM4600/ DM4601
							G	ENERAL SP	ECIFICATIONS							
Protocol	DMR or analogue communications	Analogue/Digital or Analogue Only	Analogue/Digital		Analogue/Digital		Analogue	/Digital	Analogue/Digital	Analogue/Digital	Digital Only	Analog	jue/Digital	Analogue/Digital	Analogu	ue/Digital
		VHF: 136-174MHz	VHF: 136-174MHz		VHF: 136-174MHz		VHF: 136-1	174MHz	VHF: 136-174MHz	VHF: 136-174MHz		VHE: 13	86-174MHz	VHF: 136-174MHz		6-174MHz
Frequency	Capable of operating in the following frequency ranges	UHF: 403-470MHz	UHF: 403-527MHz 300 ¹² : 300-360, 350-400MHz	30	UHF: 403-527MHz 00 ¹² : 300-360, 350-400Ml	Hz	UHF: 403-4		UHF: 403-527MHz		UHF: 403-470MHz		3-470MHz	UHF: 403-470MHz		MHz, 450-527MHz 60, 350-400MHz
Max. Power Output	Radio's full power rating	4W UHF/5W VHF	4W 300MHz,UHF / 5W VHF		W 300MHz,UHF / 5W VH		1W UHF	F/VHF	4W UHF/5W VHF	2W(an) / 3W(dig)	2W	25W or	40/45W ¹⁵	25W or 40/45W ¹⁵		40/45W ¹⁵
Max. Channel Capacity	Programmable channel capacity	16	16 128	32	1000	1000	32	1000	32	99	1000	16	160	256	99	1000
Channel Spacing Display	Programmable channel spacing Displays provide easy access to advanced features	12.5 / 20 / 25 kHz No	No 2 line monochrome	No	12.5 / 20 / 25 kHz 4 line monochrome	5 line colour	12.5 / 20 / No	5 line colour	12.5 / 20 / 25 kHz No	12.5 / 20 / 25 kHz Single line scrolling	12.5 kHz 5 line colour		0 / 25 kHz 2 line monochrome	12.5 / 20 / 25 kHz 2 line monochrome	2-digit numeric	¹⁶ / 25 kHz 4 line
Keypad	Keypads provide access to radio controls, texting and telephony	No	No Menu buttons	No	Menu buttons	Full Keypad	No	Full Keypad	No	No	Full Keypad	No	Menu buttons	Menu buttons	No	Menu buttons
Integrated GPS Integrated GLONASS	Embedded GPS receiver for location monitoring Embedded GLONASS receiver for location monitoring	No No	No No	Yes ¹³	Yes¹ No	Yes ¹³	Yes No		Yes No	No No	No No		No No	No No	Ye	es ¹⁴
Event Driven Location Updates	Location update based on input from external device (eg door senser)	No	No	res	Yes ¹¹	res	Yes		No	No	No	1	No	No	Ye	
Distance Driven Location Updates	Location update transmission based on distance travelled	No	No No		Yes ¹¹		Yes		Yes	No	No	!	No No	No	Ye	
Integrated Bluetooth Capability Permanent Bluetooth Discovery	Wireless connection for audio accessories or data comms Bluetooth "always on" mode used by some applications	No No	No No		Audio and Data ¹ Option		No No		Yes Option	No	Yes Option		No No	No		and Data ¹ No
Dedicated Emergency Button	Orange programmable button for one-touch emergency calling	No	No		Yes		Yes		Yes	No	Yes		No	No	N	No
Programmable Buttons Digital DMR Signalling	Allow access to most often used features with one press DMR standard digital voice communications	2 Vac ⁸	2 4 Yes	3	5 Yes	5	3 Yes	5 S	2 Yes	1 9 Yes	2 Yes	2	4 ′es ⁸	4 Vec	V	4 /es
Digital DMR Signalling PL / DPL Signalling	DMR standard digital voice communications Analogue Private Line / Digital Private Line compatible	Yes ⁸ Yes	Yes		Yes		Yes		Yes	Yes	No		Yes	Yes	Y	res res
Quick Call II Signalling	Analogue Quick Call II compatible	Yes	Yes		Yes		Yes	S	Yes	Yes	No	Y	Yes	Yes		/es
MDC Signalling 5 Tone Signalling	Analogue MDC compatible Analogue 5 tone compatible	Yes No	Yes Yes		Yes Yes		Yes Yes		Yes Yes	Yes	No No		Yes No	Yes		res res
DTMF Hot Keypad	DTMF tone compatible	No No	No No	No	No	Yes	No	Yes	No No	No	No	Yes ⁶	Yes ⁶	Yes ⁶		'es ⁶
MPT1327 Signalling	Analogue MPT1327 compatible (requires option board)	No	No No		Option ⁷		No	Option ⁷	No	No	No 4		No	No		ption
Option Board Capability IMPRES Audio Compatible	Supports option boards for third party applications IMPRES audio ensures your voice is heard clearer and louder	No No	No Yes		Yes Yes		No Yes	Yes	Yes Yes	No No	Yes ⁴		No No	Yes No		res res
Automatic Gain Control	Modifies microphone performance to produce the best voice quality	Yes	Yes		Yes		Yes		Yes	Yes	Yes	Y	Yes	Yes	Y	⁄es
Microphone Distortion Control Trill Enhancement	Automatic microphone gain adjustment to reduce distortion	No Van	No Yes		Yes		Yes Yes		No Van	No	No Yes	1	No Yes	No Yes	N V	No Vos
IMPRES Energy Compatible	Additional processing to enhance rolling "r" sound so speech is clearer Use IMPRES batteries for longer life and optimal performance	Yes No	Yes		Yes		Yes		Yes No	No No	Yes No		N/A	Yes N/A	N	N/A
IMPRES OTA Battery Management	Automatic collection of battery data over the air with radios still in use	No	Yes ¹⁰		Yes ¹⁰		Yes		No	No	No		N/A	N/A	N	N/A
ATEX certified	ATEX certified for use in potentially explosive environments	No	No		No		Yes		No	No	No		No	No	N	No No
	Factory Mutual (FM) approved for intrinsically safe use	No	No		Factory Mutual (FM)		No	1	No				Nο			
FM Intrinsically Safe TIA4950 Intrinsically Safe	Factory Mutual (FM) approved for intrinsically safe use Telecommunications Industry Association (TIA) approved for IS use	No No	No No		Factory Mutual (FM) TIA4950		No No		No No	No No	No No	,	No No	No No	N	No
TIA4950 Intrinsically Safe IP Rating	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression	No IP54	IP55		TIA4950 IP57		No IP6) 7	No IP67	IP54	No IP54	IF	P54	No IP54	IP	P54
TIA4950 Intrinsically Safe	Telecommunications Industry Association (TIA) approved for IS use	No		130 x 55 x 37 ² 393g ²	TIA4950	130 x 55 x 39 ² 426g ²	No)	No IP67 100 x 63 x 34 ³		No	IF 44 x 10		No	IP 53 x 17	
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size	No IP54 128 x 62 x 42 ²	IP55 122 x 56 x 39 ² 122 x 56 x 39 ²		TIA4950 IP57 130 x 55 x 39 ²		No IP67 138 x 57 x 38 456g ³	7 138 x 57 x 40 482g ³	No IP67	IP54 126 x 55 x 22 ³ U:166g ³ V:169g ³	No IP54 121 x 55 x 20 ³	IF 44 x 10	P54 69 x 134	No IP54 44 x 169 x 134	IP 53 x 17	P54 75 x 206
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels	No IP54 128 x 62 x 42 ² 406g ² No	IP55 122 x 56 x 39 ² 122 x 56 x 39 ² 355g ² 375g ² Yes		TIA4950 IP57 130 x 55 x 39 ² 426g ² Yes		No IP67 138 x 57 x 38 456g ³ Fi	7 7 138 x 57 x 40 482g ³ EATURES AI	No IP67 100 x 63 x 34 ³ 254g ³	IP54 126 x 55 x 22 ³ U:166g ³ V:169g ³	No IP54 121 x 55 x 20 ³	IF 44 x 11 1.	P54 69 x 134 .3kg No	No IP54 44 x 169 x 134	IP 53 x 17 1.8 Y	P54 75 x 206 .8kg 'es
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences	No IP54 128 x 62 x 42 ² 406g ² No No	IP55 122 x 56 x 39 ² 355g ² 122 x 56 x 39 ² 375g ² Yes Yes		TIA4950 IP57 130 x 55 x 39 ² 426g ² Yes Yes		No IP6i 138 x 57 x 38 456g³ FI Yes	138 x 57 x 40 482g ³ EATURES AI	No IP67 100 x 63 x 34 ³ 254g ³ ND FUNCTION Yes Yes	IP54 126 x 55 x 22³ U:166g³ V:169g³ S No	No IP54 121 x 55 x 20 ³ 165g ³ Yes Yes	1F 44 x 1t 1.	P54 69 x 134 .3kg No No	No IP54 44 x 169 x 134 1.3kg Yes Yes	IP 53 x 17 1.8 Y Y	P54 75 x 206 .8kg /es /es
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TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone	No IP54 128 x 62 x 422 406g² No No Yes Yes Decode Only	IP55		TIA4950 IP57 130 x 55 x 392 426g ² Yes Yes Yes Yes		No IP6 138 x 57 x 38 456g³ FE Yes Yes Yes Yes Yes	138 x 57 x 40 482g³ EATURES AI S S S S	No 1P67 100 x 63 x 34 ³ 254g ³ ND FUNCTION Yes Yes Yes Yes Yes	IP54 126 x 55 x 22 ³ U:166g ³ V:169g ³ S No No Yes Yes Decode Only	No IP54 121 x 55 x 20³ 165g³ Yes Yes Yes Yes Yes Yes Yes	IF 44 x 11 1.	P54 69 x 134 .3kg No No Vés Yés de Only	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes	IP 53 x 17 1.8 Y Y Y Y Y	P54 75 x 206 .8kg //es //es //es //es //es
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts	No IP54 128 x 62 x 422 406g ² No No Yes Yes Decode Only Yes	IP55		TIA4950 IP57 130 x 55 x 39 ² 426g ² Yes Yes		No IP6: 138 x 57 x 38 456g ³ FI Yes Yes Yes Yes	138 x 57 x 40 482g³ EATURES AI 6 8 8 8 8 8	No IP67 100 x 63 x 34 ³ 254g ³ ND FUNCTION Yes Yes Yes Yes Yes Yes Yes Yes	IP54 126 x 55 x 22³ U:166g³ V:169g³ S No No Yes Yes	No IP54 121 x 55 x 20³ 165g³ Yes Yes Yes Yes Yes Yes Yes Yes	IF 44 x 11 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	P54 69 x 134 .3kg No No Yes Yes	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes	IP 53 x 17 1.6 Y Y Y Y Y Y	P54 75 x 206 8kg //es //es
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radio is eliminate "howling" User can enter and send free-form text messages	No IP54 128 x 62 x 42² 406g² No No Yes Yes Decode Only Yes No No	IP55		TIA4950 IP57 130 x 55 x 392 426g ² Yes Yes Yes Yes Yes Yes Yes		No IP6 IP6	138 x 57 x 40 482g ³ EATURES AI s s s s s s	No	IP54 126 x 55 x 22³ U:166g³ V:169g³ S No No Yes Yes Decode Only Yes No	No IP54 121 x 55 x 20³ 165g³ Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11 1.	P54 69 x 134 .3kg No No No Yes Yes de Only Yes No No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes Yes	IP 53 x 17 1.8 Y Y Y Y Y Y Y	P54 75 x 206 .8kg /res /res /res /res /res /res /res /res
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages	No	IP55		TIA4950 IP57 130 x 55 x 392 426g² Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye		No IP6 No IP6 IP6 IP6 IP6 IP6 IP6 IP6	138 x 57 x 40 482g ³ EATURES AI S S S S S S S S S	No IP67 100 x 63 x 34³ 254g³ ND FUNCTION Yes	IP54 126 x 55 x 22 ³ U:166g ³ V:169g ³ No No No Yes Decode Only Yes No Yes	No IP54 121 x 55 x 20³ 165g³ Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11 1.	P54 69 x 134 .3kg No No No Yes de Only Yes No No Vo	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes Yes Yes	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /res
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TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel	No	IP55	393g ²	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes Yes No No Yes No Yes	426g² Yes	No	138 x 57 x 40 482g ³ EATURES AI S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 22 ³ U:166g ³ V:169g ³ No No No Yes Pes Decode Only Yes No No Yes No Decode Only Decode Only	No IP54 121 x 55 x 20³ 165g³ Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11 1.	P54 69 x 134 .3kg No No No Yes de Only Yes No No Vo Yes No No No Odde Only No	No	IP 53 x 17 1.4 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /res
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TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for protection against eavesdropping	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No No Yes No No Decode Only No Decode Only No Decode Only No Decode Only No	IP55	393g ²	TIA4950 IP57 130 x 55 x 392 426g² Yes Yes Yes Yes Yes Yes Yes No No Yes No No Yes Yes Yes Yes Yes	426g² Yes	No	138 x 57 x 40 482g³ EATURES AI S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No Yes No No Decode Only Decode Only No Decode Only No Decode Only Yes	No IP54 121 x 55 x 20³ 165g³ Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11 1. I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I	P54 69 x 134 .3kg No No No Yes Yes de Only Yes No No No Ode Only Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes No Yes No Option Option Yes	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /res
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TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Advanced Encryption Standard (AES) 256-bit encryption Addible confirmation of selected operations of the radio	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No No Yes No No Decode Only No Decode Only Yes No No Decode Only No Decode Only Yes No No Decode Only Yes No	IP55	393g ²	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes Yes No Yes No No No Yes Yes Yes Yes Yes Option Yes	426g² Yes	No	138 x 57 x 40 482g ³ EATURES AI S S S S S S S S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No Decode Only Decode Only Pes No No Decode Only No Decode Only Yes No No Decode Only Yes	No IP54 121 x 55 x 203 165g3 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11 1. I 1 Y Y Decor Y I 1 Decor Decor Decor Y I 1 Decor D	P54 69 x 134 .3kg No No No Yes de Only Yes No No No Ode Only de Only de Only de Only Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes No Decode Only Yes Option Option No Yes Option No Yes	IP 53 x 17 1.4 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /re
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES255 Encryption Default Voice Announcement Programmable Voice Announcement	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Audible confirmation of selected operations of the radio Ability to use customised recordings for voice announcements	No IP54 128 x 62 x 42² 406g² No No Yes Yes Decode Only Yes No No No Yes No No Decode Only Decode Only Yes No No Decode Only No Decode Only Yes No No Pecode Only No Decode Only Yes No No Pecode Only Yes No No No Pecode Only Yes No	IP55	393g ²	TIA4950 IP57 130 x 55 x 392 426g² Yes Yes Yes Yes Yes Yes Yes No No Yes No No Yes	426g² Yes	No	138 x 57 x 40 482g ³ EATURES AI S S S S S S S Yes S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No Decode Only No Decode Only Yes No Decode Only Yes Yes No	No IP54 121 x 55 x 20³ 165g³ Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11 1. IF	PS4 69 x 134 .3kg No No No Yes Yes de Only Yes No No No Ode Only Ves No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes No Yes No Option Option Yes Option No Yes Yes Option No Yes Option No Yes Yes Option No Yes Option	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /res
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Advanced Encryption Standard (AES) 256-bit encryption Addible confirmation of selected operations of the radio	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No No Yes No No Decode Only No Decode Only Yes No No Decode Only No Decode Only Yes No No Decode Only Yes No	IP55	393g ²	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes Yes No Yes No No No Yes Yes Yes Yes Yes Option Yes	426g² Yes	No	138 x 57 x 40 482g³ EATURES AI s s s s s y es Yes s y es s s s o o o s s s s o o o s s s s s	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No Decode Only Decode Only Pes No No Decode Only No Decode Only Yes No No Decode Only Yes	No IP54 121 x 55 x 203 165g3 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11 1. Pecon Y I I Decon Decon Y I I Y I I I I I I I I I I I I I I I	P54 69 x 134 .3kg No No No Yes de Only Yes No No No Ode Only de Only de Only de Only Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes No Decode Only Yes Option Option No Yes Option No Yes	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /re
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Programmable Voice Announcement Radio Management Over the Air Programming (OTAP)	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Audible confirmation of selected operations of the radio Ability to use customised recordings for voice announcements Radio "reads out" Channel, Zone, Functions, Text Messages, Job Tickets Centralised radio configuration and code plug management Remote, over-air programming using Radio Management	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No No Decode Only Decode Only No No Pess No No No Pess No No No Pess No No No No Pess No	IP55	393g ²	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes No Yes No No Yes Yes Yes Yes Yes Option Yes Yes Yes Yes	426g² Yes	No	138 x 57 x 40 482g³ EATURES AI S S S S Yes Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No Decode Only No Decode Only No Decode Only No Decode Only Yes No	No IP54 121 x 55 x 203 165g3 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11 1. I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I	PS4 69 x 134 .3kg No No No Yes Yes de Only Yes No No No de Only de Only Yes No No Vo de Only Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes No Yes No No Decode Only Yes Option Option Yes Option Yes Option Yes Yes No Yes Yes Yes	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /re
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Text-to-Speech Voice Announcement	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Audible confirmation of selected operations of the radio Ability to use customised recordings for voice announcements Radio "reads out" Channel, Zone, Functions, Text Messages, Job Tickets Centralised radio configuration and code ping management Prevents unauthorised users from communicating through the repeater	No IP54 128 x 62 x 42² 406g² No No Yes Yes Decode Only Yes No No No Yes No No Decode Only Decode Only Yes No No Decode Only Yes No No Decode Only Yes No No No Decode Only Yes No No No Decode Only Yes No No No No Yes	IP55	No Decode Only	TIA4950 IP57 130 x 55 x 392 426g² Yes Yes Yes Yes Yes Yes Yes No No Yes No No Yes	Yes Yes	No	138 x 57 x 40 482g ³ EATURES AI S S S S S Yes S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No No Decode Only No Decode Only Yes No No Decode Only Yes No No No No Decode Only Yes No	No IP54 121 x 55 x 20³ 165g³ Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	IF 44 x 11	P54 69 x 1343kg No No No No Yes Yes Yes No No No Yes No No Ode Only de Only de Only No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes No Yes No Option Option Yes Option No Yes Option No Yes	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 88kg /es /es /es /es /es /es /es /es /es /e
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Text-to-Speech Voice Announcement Radio Management Over the Air Programming (OTAP) Restricted Access to System Radio Enable/Disable Integrated Mandown	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radio is eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for protection against eavesdropping MOTOTRBO 40-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Radio reads out "Channel, Zone, Functions, Text Messages, Job Tickets Centralised radio configuration and code plug management Remote, over-air programming using Radio Management Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enhance personnel safety by monitoring movement	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No No Decode Only Decode Only Yes No No	IP55	393g ²	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes No No No No Yes	426g² Yes	No	138 x 57 x 40 482g ³ EATURES AI S S S S Yes S S Yes S S S S Yes S S S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g3 V:169g3 S No No No Yes Pes Decode Only Yes No No Decode Only Decode Only Yes No No Yes No No Pes No No No Pes No No No Pes No No No Pes No No No Yes No No No Yes No No No Yes No	No	IF 44 x 11 1. I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I	PS4 69 x 134 .3kg No No No Ves Yes de Only Yes No No Ode Only Ves No No Ode Only Yes No No Ves Yes No No No Ode Only Yes No No No Ode Only Yes No No No Ode Only Yes No No No Yes Ode Only No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes No No Decode Only Yes Option Option Yes Option No Yes Yes No Yes Yes No	IP	P54 75 x 206 8kg /res /res /res /res /res /res /res /re
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TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Text-to-Speech Voice Announcement Radio Management Over the Air Programming (OTAP) Restricted Access to System Radio Enable/Disable Integrated Mandown	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radio is eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for protection against eavesdropping MOTOTRBO 40-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Radio reads out "Channel, Zone, Functions, Text Messages, Job Tickets Centralised radio configuration and code plug management Remote, over-air programming using Radio Management Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enhance personnel safety by monitoring movement	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No No Decode Only Decode Only Yes No No	IP55	No Decode Only	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes No No No No Yes	Yes Yes	No	138 x 57 x 40 482g³ EATURES AI s s s s s s y es Yes s s y es Yes s y es Yes s y es y e	No	IP54 126 x 55 x 223 U:166g3 V:169g3 S No No No Yes Pes Decode Only Yes No No Decode Only Decode Only Yes No No Yes No No Pes No No No Pes No No No Pes No No No Pes No No No Yes No No No Yes No No No Yes No	No	IF 44 x 11 1. Pecon Decon Y I I I I I I I I I I I I I I I I I I	PS4 69 x 134 .3kg No No No Yes Yes de Only Yes No No No de Only Yes No No Ves Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes No No Decode Only Yes Option Option Yes Option No Yes Yes No Yes Yes No	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /re
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Text-to-Speech Voice Announcement Radio Management Over the Air Programming (OTAP) Restricted Access to System Radio Enable/Disable Integrated Mandown Dual Capacity Direct Mode Telemetry Supported Telemetry Buttons	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radio is eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Advanced Encryption Standard (AES) 256-bit encryption Advanced Encryption Standard (AES) 256-bit encryption Addible confirmation of selected operations of the radio Ability to use customised recordings for voice announcements Radio "reads out" Channel, Zone, Functions, Text Messages, Job Tickets Centralised radio configuration and code plug management Remote, over-air programming using Radio Management Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enhance personnel safety by monitoring movement Use both TDMA time slots to double system capacity without a repeater Integrated basic telemetry capability Number of buttons that can be configured for telemetry	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No No Decode Only Decode Only Yes No No No Decode Only Yes No No No Decode Only Yes No No No No Decode Only Yes No	IP55	No Decode Only	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes Yes No No No No Yes	Yes Yes	No	138 x 57 x 40 482g³ EATURES AI S S S S Yes S Yes S S Yes S S Yes S S Yes S S S Yes S S S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No Decode Only No Decode Only No Decode Only Yes No No Yes No No Pes No No Pes No No No Decode Only No Decode Only Yes No No Yes No No Yes No No Yes No Yes No Yes No Yes No Yes No Yes No No Yes No No Yes No No Yes No	No	IF 44 x 11 1. I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I	PS4 69 x 134 .3kg No No No Yes Yes de Only Yes No No No Ode Only Yes No No No Ves Yes No No No No Ves Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes No No Decode Only Yes Option Option Yes Option No Yes Yes Yes No Yes Yes No No Yes Option No Yes Yes No Yes No Yes Yes No Yes Yes No Yes	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /re
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TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Programmable Voice Announcement Radio Management Over the Air Programming (OTAP) Restricted Access to System Radio Enable/Disable Integrated Mandown Dual Capacity Direct Mode Telemetry Buttons Fixed Installation Control Station	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 40-bit encryption for more robust protection MOTOTRBO 40-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Audible confirmation of selected operations of the radio Ability to use customised recordings for voice announcements Radio "reads out" Channel, Zone, Functions, Text Messages, Job Tickets Centralised radio configuration and code plug management Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enhance personnel safety by monitoring movement Use both TDMA time slots to double system capacity without a repeater Integrated basic telemetry capability Number of buttons that can be configured for telemetry Number of buttons that can be configured for telemetry Number of buttons that can be configured for telemetry Number of buttons that can be configured for telemetry	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No Decode Only Decode Only Yes No No No Decode Only Yes No No No No Decode Only Yes No No No Yes Yes No No No Yes No No No Yes No No No Yes No	IP55	No Decode Only	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes No No No Yes	Yes Yes	No	138 x 57 x 40 482g³ EATURES AI S S S S Yes S S Yes S S Yes S S S Yes S S S S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No Decode Only No Decode Only Yes No No No Pess No No No Decode Only No Decode Only Yes No	No IP54 121 x 55 x 20³ 165g³ Yes	IF 44 x 11 1. Pecco Y I I Decco Decco Y I I Y Y Y I I I Decco I I I I I I I I I I I I I I I I I I	PS4 69 x 134 .3kg No No No No Yes yes de Only Yes No No No Ade Only de Only No de Only Yes No No No de Only Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes No No No Decode Only Yes Option Option Yes Option No Yes Yes Yes Yes Yes Yes An Option Yes Option No Yes	IP 53 x 17 1.4 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 .8kg //es //es //es //es //es //es //es //e
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TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Programmable Voice Announcement Text-to-Speech Voice Announcement Radio Management Over the Air Programming (GTAP) Restricted Access to System Radio Enable/Disable Integrated Mandown Dual Capacity Direct Mode Telemetry Wo Pins Telemetry Buttons Fixed Installation Control Station Remote Mount Control Head Data ADKs Available	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for protection against eavesdropping MOTOTRBO 40-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Advanced Encryption Standard (AES) 256-bit encryption Advanced Encryption Standard (AES) 256-bit encryption Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enthance personnel safety by monitoring movement Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enhance personnel safety by monitoring movement Use both TDMA time slots to double system capacity without a repeater Integrated basic telemetry capability Number of buttons that can be configured for telemetry Number of buttons that can be configured for telemetry Mobile cards as the RF link between an Application Server and the radio network Controls and display can be located separately from radio chassis Data Application Developer Kits are available to ADP members	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No Decode Only Decode Only Yes No No Decode Only Yes No No Decode Only Yes No No No Decode Only Yes No No No Yes No No Yes Yes No No Yes Yes No No Yes Option	IP55	No Decode Only	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes No No No No Yes	Yes Yes	No	138 x 57 x 40 482g³ EATURES AI S S S S Yes S S Yes S S S Yes S S S S Yes S S S S S S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g3 V:169g3 S No No No Yes Pes Decode Only Yes No No Decode Only No Decode Only No Decode Only No Yes No No Yes No No No No Decode Only No	No	IF 44 x 11 1. IF	PS4 69 x 134 .3kg No No No No Yes Yes de Only Yes No No No de Only de Only Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes No No Decode Only Yes Option Option Yes Option No Yes Yes No Yes Yes No Yes Yes No No Yes Option No Yes Yes No No Yes Yes No No Yes Yes No Yes Yes Yes No No No No	IP 53 x 17 1.4 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /re
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Programmable Voice Announcement Radio Management Over the Air Programming (OTAP) Restricted Access to System Radio Enable/Disable Integrated Mandown Dual Capacity Direct Mode Telemetry Supported Telemetry Buttons Fixed Installation Control Station Remote Mount Control Head Data ADKs Available Direct Mode Operation Single-Site Conventional IP Site Connect Capacity Plus	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for protection against eavesdropping MOTOTRBO 40-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Audible confirmation of selected operations of the radio Ability to use customised recordings for voice announcements Radio "reads out" Channel, Zone, Functions, Text Messages, Job Tickets Centralised radio configuration and code plug management Remote, over-air programming using Radio Management Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enhance personnel safety by monitoring movement Use both TDMA time slots to double system capacity without a repeater Integrated basic telemetry capability Number of buttons that can be configured for telemetry Mobile radios can be used in a fixed installation such as a control room Mobile acts as the RF link between an Application Server and the radio network Controls and display can be located separately from radio chassis Data Application Developer Kits are a	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No No Decode Only No Decode Only Yes No No No Yes No Yes No Yes No Yes No No No Yes No No No Yes No No No Yes No No No No Yes No	IP55	No Decode Only	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes No No No Yes	Yes Yes	No	138 x 57 x 40 482g³ EATURES AI S S S S Yes S S Yes S S S Yes S S S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g³ V:169g³ S No No No Yes Pes Decode Only Yes No No Decode Only No Decode Only No Decode Only No	No	IF 44 x 11 1. IF	PS4 69 x 134 .3kg No No No No Yes Yes de Only Yes No No No de Only de Only No de Only No ode Only Yes No No No Yes Yes No No No Yes No No No Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes No No Decode Only Yes Option Option Yes Option Yes Yes No Yes Yes Yes No Yes	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	75 x 206 8kg 76 s 206 8kg 76 s 76
TIA4950 Intrinsically Safe IP Rating Dimensions (HxWxL) mm Dimensions (Weight) Intelligent Audio User Selectable Audio Profiles Emergency Alarm Lone Worker Remote Monitor VOX (supported on radio) Audio Feedback Suppressor Freeform Text Messaging Pre-programmed Text Messaging Vibrate Alert Covert Mode All Call Radio Check Digital Telephone Patch Transmit Interrupt Encode Basic Privacy Enhanced Privacy AES256 Encryption Default Voice Announcement Programmable Voice Announcement Text-to-Speech Voice Announcement Text-to-Speech Voice Announcement Radio Management Over the Air Programming (OTAP) Restricted Access to System Radio Enable/Disable Integrated Mandown Dual Capacity Direct Mode Telemetry Supported Telemetry Buttons Fixed Installation Control Station Remote Mount Control Head Data ADKs Available Direct Mode Operation Single-Site Conventional IP Site Connect	Telecommunications Industry Association (TIA) approved for IS use Rated sealing for dust and water ingression Physical size Physical weight Automatic volume control based on background noise levels Optimises audio for specific environments and personal preferences Radio can initiate a Emergency call process Initiates emergency if user does not respond to periodic alerts Radio can remotely activate another radio's microphone Voice activated calling allows handsfree operation Blocks feedback from other radios to eliminate "howling" User can enter and send free-form text messages Radio can send pre-programmed text messages Vibrate silently alerts the user to an incoming call Disable display, LEDs and audible tones for ultimate discretion One-way call to all radios on a logical channel Check if another radio is active on a system without notifying the user Ability to connect to telephone system (requires additional hardware) Radio can interrupt transmissions fromother radios MOTOTRBO 16-bit encryption for protection against eavesdropping MOTOTRBO 40-bit encryption for more robust protection Advanced Encryption Standard (AES) 256-bit encryption Advanced Encryption Standard (AES) 256-bit encryption Advanced Encryption Standard (AES) 256-bit encryption Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enthance personnel safety by monitoring movement Prevents unauthorised users from communicating through the repeater Radio can remotely disable and re-enable another radio Enhance personnel safety by monitoring movement Use both TDMA time slots to double system capacity without a repeater Integrated basic telemetry capability Number of buttons that can be configured for telemetry Number of buttons that can be configured for telemetry Mobile cards as the RF link between an Application Server and the radio network Controls and display can be located separately from radio chassis Data Application Developer Kits are available to ADP members	No IP54 128 x 62 x 42² 406g² No No No Yes Yes Decode Only Yes No No Decode Only Decode Only Yes No No Decode Only Yes No No Decode Only Yes No No No Decode Only Yes No No No Yes No No Yes Yes No No Yes Yes No No Yes Option	IP55	No Decode Only	TIA4950 IP57 130 x 55 x 392 426g2 Yes Yes Yes Yes Yes Yes Yes No No No No Yes	Yes Yes	No	138 x 57 x 40 482g³ EATURES AI S S S S Yes S S Yes S S S Yes S S S Yes S S S S S S S S S S S S S S S S S S S	No	IP54 126 x 55 x 223 U:166g3 V:169g3 S No No No Yes Pes Decode Only Yes No No Decode Only No Decode Only No Decode Only No Yes No No Yes No No No No Decode Only No	No	IF 44 x 11	PS4 69 x 134 .3kg No No No No Yes Yes de Only Yes No No No de Only de Only Yes No	No IP54 44 x 169 x 134 1.3kg Yes Yes Yes Yes Yes Yes Yes No No Decode Only Yes Option Option Yes Option No Yes Yes No Yes Yes No Yes Yes No No Yes Option No Yes Yes No No Yes Yes No No Yes Yes No Yes Yes Yes No No No No	IP 53 x 17 1.6 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y P Decode Only P Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	P54 75 x 206 8kg /res /res /res /res /res /res /res /re

<sup>Integrated Bluetooth and GPS are supported on DP4401, DP4601, DP4801, DM4401 & DM4601 only
Based on NiMH battery
Based on Standard Li-Ion battery
Option board capability on SL4010 only</sup>

<sup>Requires keypad microphone
PDP4401, DP4801, DP4801 Ex are available with MPT Option Board factory fitted
BDP1400, DM1400 and DM1600 analogue-only models can be upgraded to MOTOTRBO digital by purchasing a software license</sup>

SL 1600 Programmable Button can scroll through up to 7 features
 Requires IMPRES battery
 Event & distance of then location updates only supported on models with built-in GPS
 Only DP2400, DP4401, DP4801, DM4401 and DM4801 available in 300MHz versions

¹³ DP4401 & DP4801 VHF & UHF models only

¹⁴ DM4401: 300MHz models only, DM4601: all models 15 VHF models: 45W / 300MHz & UHF models: 40W 16 20 kHz not supported for