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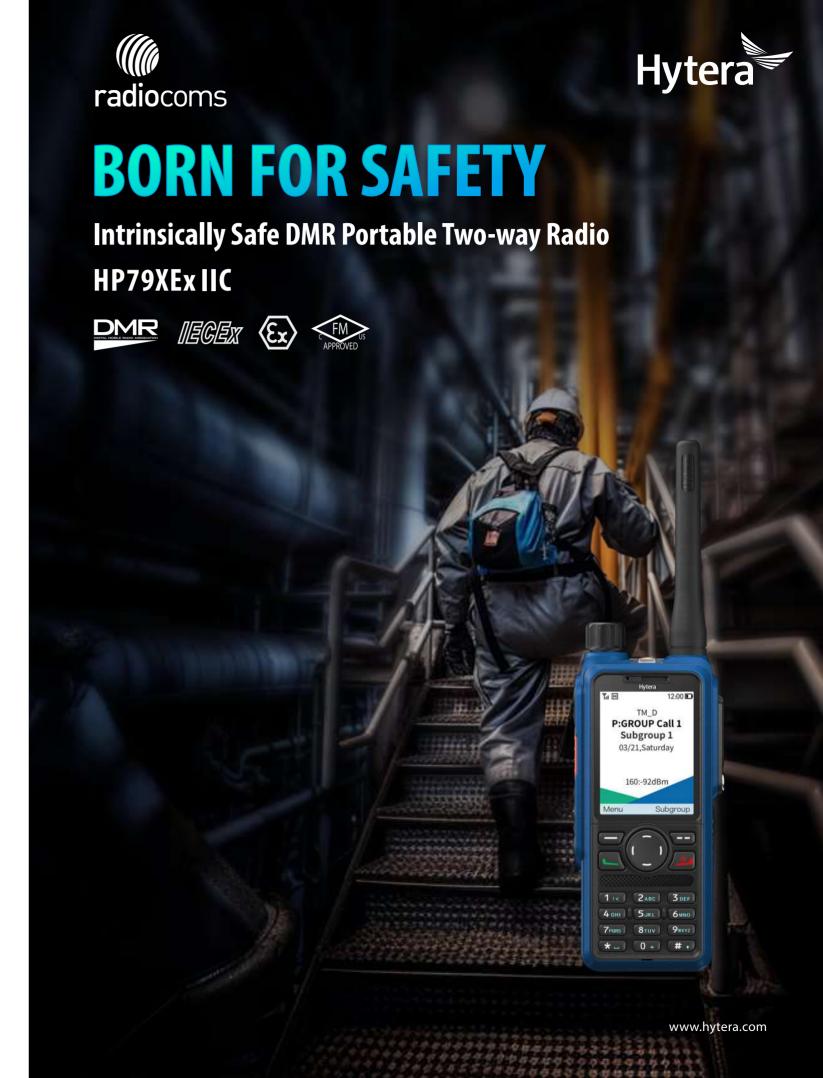






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ULTIMATE SAFETY

The HP79XEx IIC intrinsically safe radio is certified to standards listed by IECEx. It has been developed to provide safe and reliable communication in hazardous environments by adopting the new materials, brand-new structural design and innovative IS circuit. With optimized RF solution and pioneering audio solution, it extends communication range and provides better audio. Moreover, the HP79XEx IIC prepares for the unexpected before it really happens, thanks to lone worker, man down, and precise positioning.



† Temperature Class † Equipment group: T1:450°C T2: 300°C mining: chemical industrials, • Level of Protection: T3: 200°C ia: Intrinsically safe oil refineries, etc.) T4: 135℃ (Zone 0/1/2) T5: 100°C ib: Intrinsically safe T6: 85°C ExpLosive atmospheres (Zone 1/2) Ingress Protection G: Gases, vapors and mist D: Dusts IP66/IP67/IP68 **GAS** 2G Ex ib T4 Explosion-proof Standard: Gas GRoup: I: Methane (Mining) and IECEx standards IIB: Ethylene IIC: Acetylene, hydrogen Classification for hazardous places (Hazard Level: IIC>IIB>IIA) 1: Very high level (zone 0 or zone 20) 2: High level (zone 1 or zone 21) 3: Normal level (zone 2 or zone 22) Zone 0: present continuously Zone 1: present intermittently Zone 2: present abnormally † Equipment group: I: Mining II: Other Environments (non-mining: chemical industrials, oil refineries, etc.) • Level of Protection: Explosive atmospheres ia: Intrinsically safe (Zone 20/21/22) G: Gases, vapors and mist D: Dusts ib: Intrinsically safe (Zone 21/22) **DUST** IIIC T120℃ IP66/IP67/IP68 Explosion-proof Standard: Dust Group: Temperature IIIA: combustible flyings EU ATEX directive Class and IECEx standards IIIB: non-conductive dust IIIC: conductive dust Dust & Water Classification for hazardous places Ingress Protection 1: Very high level (zone 0 or zone 20) 2: High level (zone 1 or zone 21) 3: Normal level (zone 2 or zone 22) Zone 0: present continuously Zone 1: present intermittently Zone 2: present abnormally Equipment group: II: Other Environments (nonmining: chemical industrials, Explosion-proof Standard: Dust & Water Ingress Protection and IECEx standards IP66/IP67/IP68 MINING 1 M2 Ex M1: Equipment must continue Level of Protection: ia: Intrinsically safe (Category M1/M2) to operate in a potentially explosive environment. ib: Intrinsically safe (Category M2) M2: Equipment does not operate in a potentially explosive

environment. (Hazard Level:M1>M2)

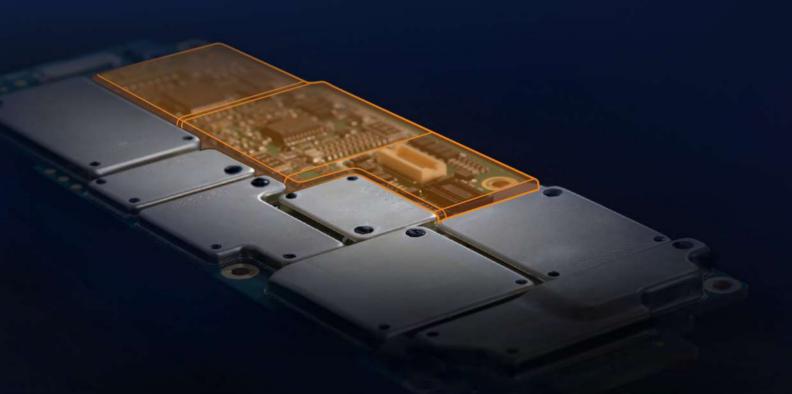


(বী) Wider range of operation temperature (in Ex area

Thanks to new explosion-proof materials and advanced mechanical design, the HP79XEx IIC is built to work under temperatures from -25°C to 60°C in explosion-prone areas. With stable and even heat dissipation, the HP79XEx IIC is engineered to work in the extreme conditions, bringing extra safety and efficiency to everyday work.

More powerful intrinsically safe circuit

The HP79XEx IIC adopts innovative silicone encapsulation technology to prevent liquid, inflammable dust, or explosive gas from intruding internal circuits. With multiple circuit protection mechanisms, the HP79XEx IIC strictly limits the electrical circuit's energy to a non-ignitable level during operation. Meanwhile, the circuit contributes to 2W TX power and 2-watt audio power, extending the communications distance and boosting the audio loudness.



⟨Ex⟩ More rock-solid IS battery

The IS battery is secured to the radio by battery protection plate and an anti-falling battery latch. Even if the HP79XEx IIC is dropped by accident, the battery will never become detached to avoid potential sparks in hazardous circumstances. In addition, the PT890Ex is forbidden to be used with non-original battery with prompt on screen and flashing red LED indicator, as the safety of life and property cannot be endangered by any risks.

More professional anti-static technology

Electrostatic discharges are a source of ignition in explosive risk areas. Taking this in mind, the HP79XEx IIC first adopts high-strength, explosion-proof materials to prevent static electricity on the surface. Then the HP79XEx IIC uses a dual-material technology to resist the build-up of static electricity. So the workers can freely use the HP79XEx IIC without worrying the threats to lives and properties from the brisk fire or massive explosion.







Rugged-tested trust

The HP79XEx IIC is certificated with IP6X and MIL-STD-810H after a whole list of reliability tests such as accelerated life testing, impact test for the radio with 2.4-inch screen, and drop test. It is rugged enough to withstand dust, shock, or sudden drop. The workers can use the radio whatever harsh environments they encounter.



Dual antimagnetic mechanism

In the area containing metallic compounds, the HP79XEx IIC resists magnetic metal dust and shavings from the environments to damage the speaker — ensuring more outstanding audio and longer service life. All lies in the dual antimagnetic mechanism.





Built for Personnel Safety



Lone worker

Lone Worker provides protection and reassurance for those who work alone especially in dangerous environments, such as oil pipeline walker. If the HP79XEx IIC senses that the worker does not make any operation within a preset time, this radio will automatically alarm and report the location to the companion or control center for help.



Man down

Man Down is ideal for emergency situation. If the worker has fallen or is unconscious, or is unable to move, the HP79XEx IIC automatically detects a sudden tilt towards the ground, and alarms and reports the location to the companion or control center for help. This is vital to prevent loss of life and dangers.



Precise positioning

With the built-in positioning module, the HP79XEx IIC supports the flexible combination of GPS, BDS, GLONASS and Galileo satellite systems. Also, the HP79XEx IIC enhances positioning accuracy down to one meter, thanks to the dual-frequency positioning technology. Such reliable and accurate location information helps find the worker in need of assistance quickly in emergencies.







HIGH EFFICIENCY COMMUNICATIONS

The HP79XEx IIC takes critical communications to a new level, with the efforts of Hytera Audio Lab, RF & Antenna Lab, Energy-efficient Lab, and UX Design Lab*. The HP79XEx IIC keeps the workers always connected, from superior audio quality to extended radio range. The HP79XEx IIC is always in uptime thanks to the long-lasting battery. Moreover, the HP79XEx IIC facilitates the usage and management in terms of versatile connectivity and easy-to-use design.

* Hytera Professional Lab.



Superior Audio Quality

Super loudness

Most explosion-prone environments are noisy, thus how to provide clear and loud audio is the key to ensure effective communication among team members. The HP79XEx IIC, with a lighter and slimmer body, has a 2W speaker to deliver louder audio to improve team collaboration and work efficiency.

Ultra Clarity

With cutting-edge audio processing technology adopted, the HP79XEx IIC delivers crisp, clear audio even in complex environments, ensuring more reliable mission-critical and business-critical communications.

Al-based noise cancellation

The HP79XEx IIC adopts the most advanced Al-based noise cancellation algorithm and gets machine learning behavior. After learning and training thousands of noise samples, the HP79XEx IIC can quickly separate the human voice from the noise, making the workers get the right commands from the first word.

Water-porting design

The speaker has a unique water-porting design that can automatically expel water from the speaker's acoustic cavity fast. Even in heavy downpours, the HP79XEx IIC can still deliver clear audio.

Automatic gain control

Automatic gain control (AGC) automatically increases or decreases microphone gain to ensure consistently loud and clear audio output, regardless of how softly or loudly the workers are talking into the microphone.

Howling suppression

Using the innovative howling suppression algorithm, the HP79XEx IIC eliminates a screeching feedback sound when two radios are too close, even 30 cm away from each other.





Long-lasting Battery

The standard 2150 mAh battery, together with the cutting-edge low power consumption technology, can outlast the shift. The workers can check the remaining battery and battery health on the radio and extend the battery life using the smart charger.



Extended Radio Range

Thanks to the new-designed powerful IS circuits and RF optimization solution, HP79XEx IIC features 2W transmitting power and industry-leading receiving sensitivity (0.16 μ V), providing more smooth communications even at a distance or in the edge area, further enhancing personal safety and work efficiency.



Versatile Connectivity



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The HP79XEx IIC can connect to wireless IS accessories* more quickly and stably, without the hassle of wires and cables. Moreover, the HP79XEx IIC can run the BT-based applications developed by the third party to meet more scenarios.

* Not provided by Hytera.

The radio adapts the third-party wireless IS accessories.



WIAN

The HP79XEx IIC facilitates remote management through the WLAN, such as programming, upgrading*, and log management*. It is a smarter way to manage radios in batch without getting them back and forth between the field and the office, greatly reducing operational expenses.

* Coming soo



NFC

The HP79XEx IIC can be easily recognized and managed via NFC tag as per actual requirements.

Easy to Use



At a Glance



SPECIFICATIONS

General Frequency Range	400-480MHz 136-174MHz
Channel Capacity	1024
Zone Capacity	64
Channel Spacing	12.5kHz/20kHz/25kHz
Operating Voltage	7.4V (rated)
Battery	2,150 mAh IIC intrinsically safe Li battery (Typical)
Battery Life (5/5/90)	24h (GNSS OFF) 21h (GNSS ON)
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Dimensions (H x W x D)	130 x 55 x 37mm
Weight (with antenna & battery)	about 390g
Display	2.4 inch LCD, 320 x240 pixel, 262000 colors
Connectivity	BT 5.3 BLE+EDR/WLAN 2.4G/NFC: ISO/IEC 15693
Receiver	
	Analog: 0.16uV(12dB SINAD)
Consistents.	0.14uV(Typical)(12dB SINAD)
Sensitivity	Digital: 0.16uV/BER5%
	TIA-603: 60dB@12.5kHz; 70dB@20/25kHz
Adjacent Channel Selectivity	ETSI: 60dB@12.5kHz; 70dB@20/25kHz
Intermodulation	TIA-603: 70dB@12.5/20/25kHz ETSI: 65dB@12.5/20/25kHz
Spurious Response Rejection	TIA-603: 70dB@12.5/20/25kHz ETSI: 70dB@12.5/20/25kHz
Blocking	TIA-603: 80dB ETSI: 84dB
Hum and Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Rated Audio Power Output	0.5W
Rated Audio Distortion	≤3%
Audio Response	+1 ~-3dB
	<-57dBm
Conducted Spurious Emission	~-3/dbiii
Transmitter	and the same of th
RF Power Output	2W/1W
FM Modulation	11K0F3E@12.5kHz 14K0F3E@20kHz
	16K0F3E@25kHz
4FSK Digital Modulation	16K0F3E@25kHz 12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW
-	12.5kHz Data Only: 7K60FXD
Conducted/Radiated Emission	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz
Conducted/Radiated Emission Modulation Limiting	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm<1GHz; -30dBm>1GHz ±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz; ±4.0kHz; 20kHz; ±5.0kHz; 25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz; ±4.0kHz; ±5.0kHz; ±5.0kHz; 25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3%
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3%
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™
4FSK Digital Modulation Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz; -30dBm > 1GHz 40dB@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm<1GHz; -30dBm>1GHz ±2.5kHz; -30dBm>1GHz ±2.5kHz; -30dBm>1GHz 40dB@12.5kHz; +4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~+85°C
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz; -3.0dBm > 1GHz 40dB@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area)
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm<1GHz; -30dBm>1GHz ±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~+85°C IEC 61000-4-2 (Level 4) ±8kV (contact);
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature ESD Dustproof & Waterproof	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm<1GHz; -30dBm>1GHz ±2.5kHz; e3.0kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~+85°C IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air)
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature ESD Dustproof & Waterproof Humidity	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm<1GHz; -30dBm>1GHz ±2.5kHz@12.5kHz;±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~+85°C IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air) IP64/IP66/IP67/IP68 per IEC-60079-0:2017 & IEC-60529
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature ESD Dustproof & Waterproof Humidity Shock and Vibration	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm<1GHz; -30dBm>1GHz ±2.5kHz; -3.0dBm>1GHz ±2.5kHz; -3.0dBm>1GHz 40dB@12.5kHz; +3.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~ +85°C IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air) IP64/IP66/IP67/IP68 per IEC-60079-0:2017 & IEC-60529 MIL-STD-810H
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature ESD Dustproof & Waterproof Humidity Shock and Vibration Location Services	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz; -3.0dBm > 1GHz ±2.5kHz; -3.0dBm > 1GHz 40dB@12.5kHz; 43dB@20kHz; ±5.0kHz@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~ +85°C IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air) IP64/IP66/IP67/IP68 per IEC-60079-0:2017 & IEC-60529 MIL-STD-810H MIL-STD-810H
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature ESD Dustproof & Waterproof Humidity Shock and Vibration Location Services GNSS	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz; -3.0dBm > 1GHz 40dB@12.5kHz; +4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~ +85°C IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air) IP64/IP66/IP67/IP68 per IEC-60079-0:2017 & IEC-60529 MIL-STD-810H MIL-STD-810H GPS, BDS, GLONASS, Galileo
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature ESD Dustproof & Waterproof Humidity Shock and Vibration Location Services GNSS TTFF(Time To First Fix) Cold Start	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm<1GHz; -30dBm>1GHz ±2.5kHz; -3.0dBm>1GHz ±2.5kHz; -3.0dBm>1GHz 40dB@12.5kHz; 43dB@20kHz; ±5.0kHz@25kHz 60dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~+85°C IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air) IP64/IP66/IP67/IP68 per IEC-60079-0:2017 & IEC-60529 MIL-STD-810H MIL-STD-810H GPS, BDS, GLONASS, Galileo <35 seconds
Conducted/Radiated Emission Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Digital Protoca Environmental Operating Temperature Storage Temperature ESD Dustproof & Waterproof Humidity Shock and Vibration Location Services GNSS	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW -36dBm < 1GHz; -30dBm > 1GHz ±2.5kHz; -3.0dBm > 1GHz 40dB@12.5kHz; +4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 70dB@20/25kHz +1 to -3dB ≤3% AMBE+2™ ETSITS102 361-1, -2, -3 -30°C to +60°C (in non-hazardous area) -25°C to +60°C (in hazardous area) -40°C~ +85°C IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air) IP64/IP66/IP67/IP68 per IEC-60079-0:2017 & IEC-60529 MIL-STD-810H MIL-STD-810H GPS, BDS, GLONASS, Galileo

Standard Accessories





Battery (Standard Capacity)

Charger





Power Adapter





Belt Clip



Optional Accessories



Remote speaker



Microphone



Carry Case

Hamlet Heavy Duty

Noise-cancelling Headset kit



Intrinsically Safe and Adjustable Earset



Intrinsically Safe Large PTT