

Hytera



INTRINSICALLY SAFE SMART DEVICE

YOUR SAFETY AND EFFICIENCY, ASSURED.



If you are operating the petroleum, chemical plant, pharmaceutical factory, or other workshops with potentially explosive gases, dusts or chemical vapors, you must want to find a way that never compromises on both the work efficiency and personal safety at all time. Now, Hytera PNC460U makes it.

The PNC460U is a UL913-certified intrinsically safe smart device with the capabilities of large-screen smartphone and push-to-talk over cellular (PoC) radio rolled into one. It provides purpose-built apps, instant PoC calls, video-based dispatch, and more to get things done in less time and with less hassle. Work safer. Work more efficient.



READY FOR EFFICIENCY



UL913 Intrinsically Safe Enhance workplace safety

The PNC460U is designed for hazardous locations with potentially explosive gas and combustible dust, in compliance with the explosion-proof requirements for use in Class I, II, III; Division 1; Groups C–G; T4 and -20°C to +60°C. So the PNC460U can always provide reliable communications and efficient services for you, even in the extreme working environments.



Android 12 OS Simplify your workday

With the Android 12 OS, the PNC460U delivers the familiar experience and ease of use that the professionals want. More importantly, it provides an open and inclusive platform to run a wide variety of key apps, making everyday tasks easier and faster.





Exceptional Durability Withstand the tough conditions

The PNC460U is perfect for professionals working in the most demanding environments. It has tough exteriors and reinforced components to survive dust, water, snow, 1.5-meter sudden drops, extreme temperatures (-20°C to $+60^{\circ}\text{C}$), and more.



Large HD Screen View more. Do more.

As a good assistant, the PNC460U helps you work more efficiently. The stunning 5-inch screen gives you plenty of space to use multiple apps at work. Additionally, this screen is sunlight readable and sensitive enough to react the touch of gloved hands and wet fingers.



Precise Positioning Pinpoint your device and personnel

Thanks to the built-in dual-frequency GPS (L1+L5) chip, the PNC460U provides real-time, precise location for the dispatcher with the accuracy improved to 2 meters. Know where your devices are. Keep your personnel safe.





READY FOR CRITICAL COMMUNICATIONS



Push-to-Talk
Stay connected anywhere, anytime

With the Hytera HyTalk Pro app, the PNC460U can communicate with PDT, DMR, or TETRA radio over the 2G, 3G, LTE, or WLAN network. It delivers instant one-to-one or one-to-group communications anywhere in the world once you press down the large and tactile PTT key. This ensures flow of information at all times, even during the most critical circumstances.





Professional Acoustic System Deliver loud and clear audio

With the powerful speaker and sophisticated noise cancellation technologies, the PNC460U delivers crystal-clear audio in any noisy environment such as oil exploration sites, petrochemical plants, and refineries. This best-in-class audio promises a high-quality communication experience in any work environments.

Boosted Loudness

- 3-watt ultra linear dual-speaker

Maximized Clarity

- AI-based noise cancellation
- Echo reduction
- Wind noise cancellation
- Feedback howling reduction



External Antenna Make communications smoother and more stable

Unlike the radios with the built-in antenna, the PNC460U comes with the external antenna that has a 70% higher RX capability. So even in the area with weak signal strength such as mountain and underground garage, the PNC460U still conveys accurate information without missing any words.



Powerful Camera System Improve situational awareness

The PNC460U has unmatched photography capabilities, thanks to a 50 MP rear camera HDR technology, and image stabilization algorithm. It can capture clear pictures and stable live videos in the field, and feed them to the command center in real time over the LTE or WLAN network. This is invaluable for dispatcher to know what happened, significantly improving collaboration and outcomes.



50 MP rear camera

Flashlight providing clear sight out to 20 meters

Hytera Smart POC Radio
EXTRINSICALLY SAFE
DC3 7V 4550mAh 16.94Wh
Class I, II, III Div1 Groups C-G, T4
Class I, Div2 Groups A-D, T4
-20°C to +60°C

Application Scenarios



Chemical Plant



Refinery



Food Processing Plant



Steel Mill

Specifications

Frequency Range	GSM: 850/900/1800/1900 WCDMA: B1/B2/B3/B4/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 (2496–2690 MHz) FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28
Operating System	Android 12
Storage	6 GB RAM + 128 GB ROM
TF Card	128 GB (max.)
Dimensions (L × W × D)	164 mm × 77 mm × 23 mm
Weight	337g
Screen Size	5.0 inches
Screen Resolution	1920 × 1080
SIM Slots	2 × Nano-SIM
Location	GPS (L1&L5)/A-GPS/BDS/GLONASS/Galileo
Sensor	Acceleration/gyroscope/geomagnetic/opto-sensor
WLAN	2.4 GHz&5 GHz, 802.11 a/b/g/n/ac
BT	BT 5.0
NFC	Available
Interfaces	USB Type-C port 3.5 mm audio jack
Battery Capacity	4,580 mAh
Charging Interface	USB Type-C port
Speaker	3 W (max.)
Motor	Available
Cameras	Rear: 50 MP; Front: 8 MP
Video Resolution	1080p@60fps
Operating Temperature	–20°C to +60°C
Storage Temperature	–30°C to +70°C
Electro-Static Discharge (ESD)	IEC 61000-4-2 ±12 kV (air) ±6 kV (contact)
IP Rating	IP68
Drop Resistance	1.5 m
Certification	UL913/CE/MIL-STD-810/IP68

Accessories

● Standard ● Optional



Battery



Power Cord



Power Adapter



Remote-mount Earset



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