Hytera

PNC460U TH

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 TH 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 TH 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 TH 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 TH 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°C), and more.



Large HD Screen
View more. Do more.

As a good assistant, the PNC460U TH 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 TH 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 TH 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 time, 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 TH 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 TH 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 TH still conveys accurate information without missing any words.



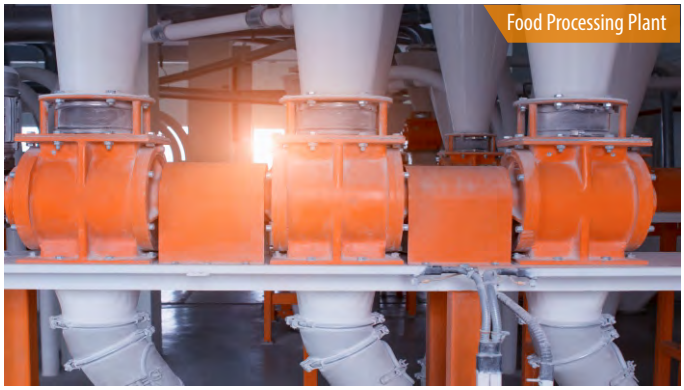
Powerful Camera System
Improve situational awareness

The PNC460U TH 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.

Application Scenarios


Chemical Plant


Refinery


Food Processing Plant


Steel Mill

Specifications

Frequency Range	GSM: 900/1800 WCDMA: B1/B3/B8 TDD-LTE: B34/B38/B40 FDD-LTE: B1/B3/B7/B8/B20/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

Hytera

Respond & Achieve

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