

## Technical Specifications



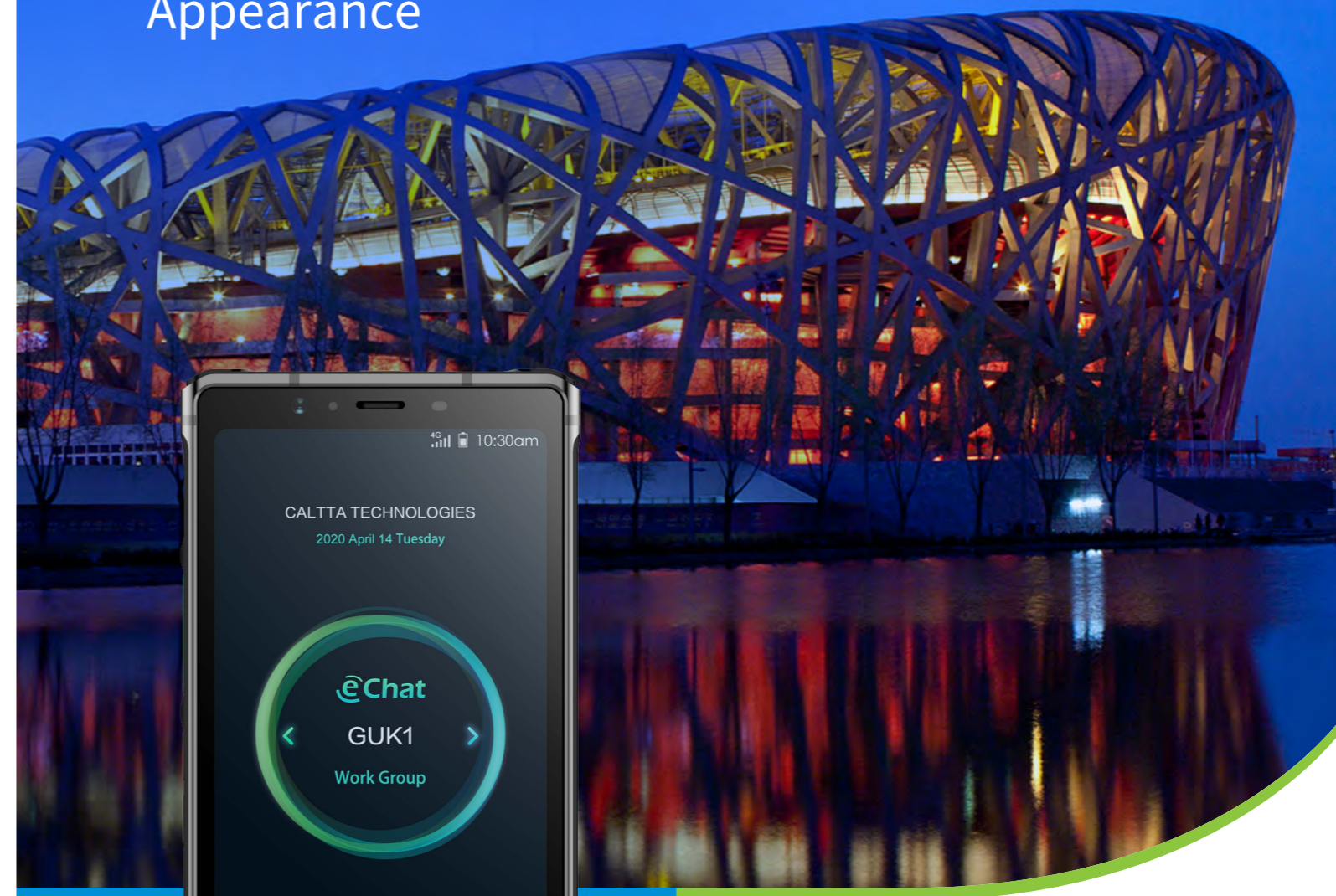
General	
Network	Private LTE Public LTE/WCDMA/GSM/TD-SCDMA/ CDMA2000
Frequency	Private LTE: TDD 1.8G(1785~1805MHz) TDD 1.4G(1447~1467MHz) Public LTE: TDD: B38/B39/B40/B41 FDD: B1/B3/B5/B7/B8/B20/B28 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8 TD-SCDMA: B34/B39 CDMA2000: BC0
Size (H x W x D)	154 x 78 x 11.4mm
Weight	About 230g
Display	5.7 Inch 18:9 Full Screen Display, 1440 x 720
Key	Power, PTT, Volume up, Volume down, SOS
Battery	13.16Wh (3420mAh, 3.85V)
Operation System	Deep Customized Android Operation System
CPU	Oct A53 Processor
Memory (RAM+ROM)	4GB+64GB
Camera	Rear:13M Pixels, AF, CMOS, with Flash Front:13M Pixels, CMOS
Interface	Waterproof Type-C USB Port
Fingerprint Identification	Support
Bluetooth	Support
NFC	Support
WLAN	Wi-Fi 802.11 b/g/n, 2.4G/5G, Support WiFi Hotspot
Location	Beidou/GPS/Glonass, AGPS
External Memory	Support TF, up to 128GB
Card Slot	Private NANO SIM x 1, Public NANO SIM x 1, TF x 1
Sensor	Gravity, Distance, Gyroscope, Light, Geomagnetic
Charging	USB Type-C
OTG	Support, Extendable to Support USB Camera

Environmental	
Operating Temperature	-20°C — +60°C
Storage Temperature	-40°C — +85°C
ESD	IEC 61000-4-2 (level 3) ±6kV Contact) ±8kV (Air)
Dust and Water Proof	IP68

The specifications in this document are in accordance with the applicable standard test. There are a number of factors that could cause the actual results. Due to the continuous development of technology, Catta may change the information at any time without notice.

# Dual-Mode Smart Radio

Rather Excellent Design Than Outstanding Appearance



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Privacy statement: As an equipment supplier and solution provider, Caltta will comply with applicable laws and regulations in the processing of personal data, and take such technologies as anonymization, data encryption and necessary security management measures to ensure the security of personal data.

MODEL GH820

[www.caltta.com](http://www.caltta.com)

# Features

## Dual-mode Design, Compact in Size

GH820 supports private 1.4G/1.8G frequency band LTE networks, and mainstream operator PoC public networks. The well-designed body with a weight of 230g and a thickness of only 11.4mm, is compact and sturdy, making it convenient for users to carry in daily work.

## ITU Standard, Professional Trunking

GH820 supports ITU broadband B-TrunC standard digital trunking and eChat PoC. The large-size PTT button design allows a one-click call. Professional sound chamber and high-power speaker provide loud and authentic sound.

## Rich Configurations, Powerful Functions

The 5.7-inch full screen allows touch operation and facilitates to use smart APPs. The power button integrates a fingerprint recognition module, making it safe and convenient for identity recognition. GH820 is also equipped with BeiDou/GPS, Bluetooth, Wi-Fi, NFC, various sensors, and other rich configurations, bringing the flexible expansion of intelligent applications. It also supports an independent emergency alarm button to ensure user safety in emergencies.

## IP68 Protection, Military Standard Quality

The robust all-metal body provides IP68 protection, and it can withstand corrosion in various harsh environments. GH820 passed MIL-STD-810 G standard certification, so users don't need to worry about shock, vibration, and others.

## High-capacity and Power-saving, Long-lasting Battery Life

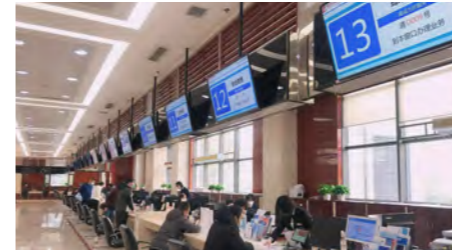
Equipped with a 3420mAh battery and a comprehensive current optimization solution, GH820 provides standby time that can meet the long-term shift need of professional users. A standard USB Type-C charging port makes it convenient to charge at any time.

## Ministry of Public Security Police Certification

The police-version GH820 has gained the certification of the Ministry of Public Security. By adding the root of trust module, security boot module, and mobile police terminal security components, it highlights the characteristics of the security network of the police communication and helps build a "private network + police communication" dual security communication guarantee mechanism.



# Application Scenarios



Municipality



Public Safety



Industrial Park



Airport



Port



Mining Industry

# Accessories

## Standard



Protective Case



Power Adapter



Type-C data cable

## Optional



PTT Earpiece

# After-sales Services

With abundant technologies and a highly specialized technical team, Caltta is able to provide users with high-quality products, tailored solutions, and perfect after-sales services. Each product provided by Caltta has undergone strict factory tests, can meet communication requirements in harsh and dangerous environments, and provide users with secure, reliable, and efficient communication. Meanwhile, Caltta also provides users with professional pre-sales and after-sales technical support, comprehensive technical documentation and training services, expert remote telephone support, local after-sales service, active software maintenance, software updates, etc. All-round services bring a worry-free user experience all the way.