



The Thinnest 5G Smartphone

Introducing the ultimate industrial smartphone, built for durability and reliability in harsh work environments.



AQC H108

5G INDUSTRIAL HANDHELD TERMINAL



6.3" SCREEN SIZE



ANDROID 13



5G



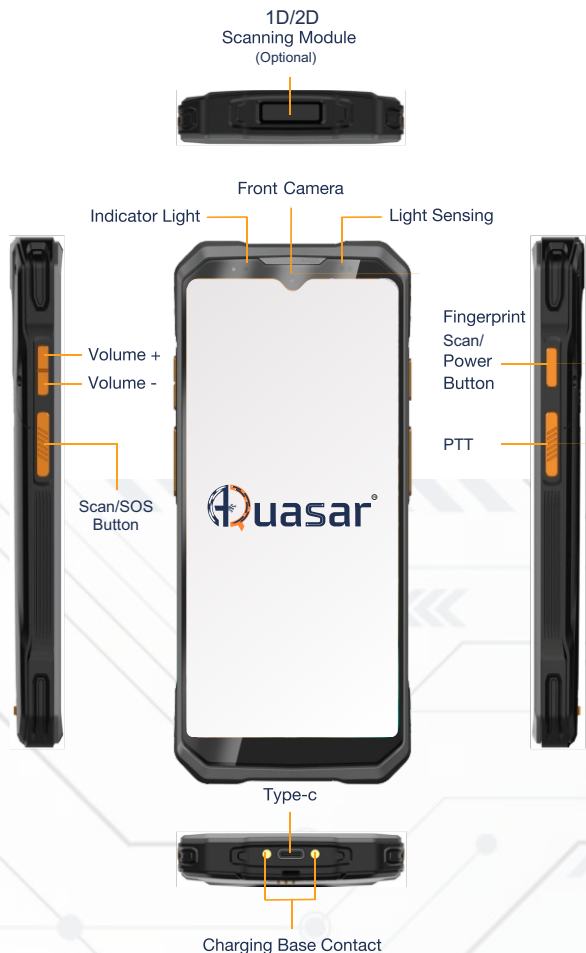
48MP CAMERA



HIGH CAPACITY 4800mAh BATTERY



MOBILE DEVICE MANAGEMENT



Aqasar UK Ltd specialises in the design and manufacture of intrinsically safe communication devices and instruments for hazardous environments. All our products are engineered to meet respected certifications making them ideal for critical operations in sectors such as:

- | Oil & Gas | Petrochemical | Power | Energy | Utilities**
- | Chemical | Fertilisers | Pharmaceuticals | Pipelines**

Headquartered in the UK and serving clients worldwide, we are committed to Safety, Performance, and Technical Excellence with solutions that enable the critical communication where it matters most.

Aqasar IS Smartphones bring ideal technical specifications into the critical environments. Ruggedized, yet thinnest, the intrinsically safe AQC H108 Phone brings great performance and safety. The model is approved for ATEX DIV 1 and Zone 1/21 with Android and passed all performance tests.

AQC H108 IS Smartphone

AQC H108 is a rugged and durable industrial-grade handheld terminal developed with high precision. It features a 6.3" FHD full-view touch display and is powered by the strong & fast processor, with 8GB RAM and 256GB internal storage, supporting up to 2TB TF card expansion. The AQC H108 is equipped with a rear dual-camera setup with up to 48MP ultra-HD resolution with 8MP Macro camera and an 8MP front camera, making it suitable for various industrial scenarios. The AQC H108 supports all network bands, dual-band Wi-Fi, and Bluetooth 5.2 for high-speed connectivity. It is certified with IP68 water and dust resistance and has passed MIL-STD-810G military-grade protection, operating reliably in extreme temperatures from -20° C to 55° C. With built-in multiple interfaces and sensors, the AQC H108 can also be customized with various hardware modules to meet project-specific needs. This makes it an ideal choice for professional applications such as inspections, asset management, tracking, recorder and many more. It can easily be operated while wearing gloves and has extreme shock and scratch resistant Gorilla glass.



SPECIFICATION

Technical Data

Processor	Octa core 2.7GHZ
GPU	ARM maili-G68
Memory:	8GB RAM & 256GB Internal Memory
Storage Expansion	Micro SD TFlash Card to 2 TB
SIM Support	2 Nano SIM Cards
Main Camera	48 MP Rear with Autofocus & Electronic Flash 8 MP Macro Secondary Camera 8 MP Front Camera
Display	6.3" Scratch Resistant Glass
Resolution	1080 X 2340 with 500 nits, Support 120Hz high refresh rate
Touch Panel	Capacitive, Supports Stylus and gloves
Battery	Li-Ion battery, 4800 mAh (User Replaceable in safe area) Must be Charged in safe Areas with Original Charger
Operating System	Android 13
Size L X W X H	172 mm X 76.6 mm X 16.5 mm
Weight	300 gms with Battery
Sensors	Accelerometer, Gyrometer, Magnetometer, Motion, Ambient light with Finger Print Scanner

Certification

ATEX Approval	Zone 1/21 II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
IP Protection	IP 68
Operating Temp	- 20°C to + 60 ° C
Drop Test	1.2 Mtrs

Network & Comm

Comms	GSM / WCDMA / VoLTE
Network Band	2G / 3G / 4G / 5G
Wifi	Dual Band Wifi
Bluetooth	Bluetooth 5.2 and BLE PTT & NFC
I/O ports	Type C & Magnetic Charger 5V, 2A, 18W Charger Comes with fast charging cable Type C port for headset and Data transfer
Optional	Programmable Key for barcode scanning

Aquasar UK Limited

#81 Blockley Road, Wembley, North Wembley, HA03LN, United Kingdom

✉ info@aquasar.co.uk