

# ALPHA

RUGGED. COMPACT. MISSION-READY.

Advanced wearable tracking and physiological monitoring for real-time situational awareness.



**EXTREME TEMPERATURE PERFORMANCE**

-35°C TO +75°C  
-31°F TO +167°F



**MULTI-BAND NETWORK**

700–2200 MHz LTE



**EXTENDED BATTERY LIFE**

770mAh  
Li-Ion Battery



**BUILT TO LAST**

IP68  
MIL-STD-810H  
MIL-STD-883H



**COMPACT & LIGHTWEIGHT**

0.75 × 3 × 1.6 in  
2.5 oz



**PRECISE TRACKING**

1 Dual-mode GPS, 1 Tri-Mode (redundant) for precise location accuracy down to 1m.



**UNINTERRUPTED CONNECTIVITY**

Multi-carrier CatM1, NB-IoT, BLE 5.0, GPS for continuous communication.



**PHYSIOLOGICAL MONITORING**

Heart rate monitoring, SpO2, skin temperature, integrated USARIEM EC temperature algorithms.



**BUILT FOR EXTREME CONDITIONS**

IP68, MIL-STD-810H, MIL-STD-883H, rugged, submersible, and mission-tested.



**ADDITIONAL SENSORS**

Precision altimeter (+/-8Pa), accelerometer, temperature, shock, vibration, pressure.



**SECURE BY DESIGN**

FIPS 140–3, AES 256, multi-tier encryption, FedRAMP moderate for simplified ATO.



**PROUDLY DESIGNED AND MANUFACTURED IN USA**



**TRUSTED BY THE WORLD'S MOST ELITE MILITARY TEAMS AND GOVERNMENT ORGANIZATIONS**



**MISSION-TESTED PERFORMANCE IN EXTREME CONDITIONS**

**MISSION SUCCESS STARTS WITH PEOPLE YOU CAN PROTECT.**

**SCHEDULE A DEMO**  
Scan the QR code or visit [blackohm.com/contact](https://blackohm.com/contact)

