



EdgeOne & EdgeWatch

EdgeWatch Smart Watch: Safety Without Compromise

Oil and gas workers face extreme conditions daily—heat, hazardous gases, and isolated locations. Traditional safety measures aren't enough. That's why RuggedEdge developed the EdgeWatch, the only AI enabled health monitoring smartwatch built for combustible environments.

Real-Time Alerts, Instant Response

Vital Signs Tracking: Monitors SpO2, pulse rate, and stress levels.
Hazard Alerts: Detects dangerous gas exposure and extreme conditions
Durable & Resilient: ATEX Zone 1, IP68-rated, MIL-STD-810H tough.
Seamless Integration: Connects to EdgeOne 5G IoT Gateway
Fall & Immobility Detection: Alerts teams instantly if a worker is down (coming soon)
Lone Worker Protection: GPS ensures real-time location tracking (coming soon)

EDGEONE



Connection to IoT Devices

- Bluetooth 5.2 (16 connections)
- WI-FI 6e (16 connections)
- Near Field Communication

Connection to the Cloud

- 4G/5G LTE
 - Public/Private/CBRS with one physical and one e-SIM
- Ability to have at least 6 e-Sim's simultaneously, with one e-sim active at a time.

On-Device Computing

- Qualcomm QCM6490 processor, Kryo 670CPU
- Push-to-talk via embedded app
- Operating System: Enterprise AndroidOS
- Memory: 4 GB RAM, 64 GB internal storage
- Ability to create custom on-device applications

On-Device Sensors

- Magnetometer
- Accelerometer
- Gyroscope
- Barometer
- Camera
- Microphone
- GPS
- 5G location
- Panic Button

EDGEWATCH

Connection to the Cloud

- Bluetooth 5.2
- Operating System: Enterprise Android OS
- WI-FI 6
- Near Field Communication

Health Monitoring

- Blood Oxygen Level
- Heart Rate
- Daily Activity Levels
- Exertion
- Fall Detection
- GPS Location
- SOS to Alert Nearby Personnel

