

TWIG Eon

The Discreet Lone Worker Alarm Watch



TWIG Eon is a discreet and elegant wristwatch designed for lone workers in moderate risk professions. Combining advanced communication features with a sleek design, this wristwatch provides critical safety functions like SOS alerts, real-time location tracking, and power for days. **TWIG Eon** is more than just a device - it's a complete solution designed to keep workers safe, meet safety standards, and enhance safety protocols.

Power for days

- Up to 2-3 days on continuous tracking
- Advanced power-saving modes with intelligent power management
- Continuous mobile network connection, sending periodic reports
- Minimizes the need for frequent recharging, maximizing uptime

Extremely discreet. Timeless style.

- Classic wristwatch design with analog face
- Stylish and professional look, fits any work environment
- Discreet, unlike bulky industrial devices

Integrated services

- VoIP with secure interconnect to phone networks
- Encrypted data communication
- Polygon or circle safe zones with validity time attributes
- Calls to alarm receiving centre and up to 8 speed dial numbers
- Alarms on low battery, no movement, exit, safe zone

A strong choice for moderate risk workers

- Ideal for social risk workers needing a discreet protection
- Single button SOS for instant emergency alerts
- Real-time location tracking
- Bluetooth Low Energy communication with beacons

Made in Finland: Precision and Quality

- Finnish engineering guaranteed durability and reliability
- Built for long shifts, combining user-friendliness and long runtime
- LTE phone with GPS location reports

Easy to deploy

- eSIM for quick setup: select profile and add numbers
- Multiple wearer profiles to different user needs
- Simple interface adjusts to user's preferences
- Integrated emergency call routing with SMS, email, and app push notifications

Customizable UI profiles

The customizable profiles of TWIG Eon ensure the interface is tailored to the user's skills, making it accessible for everyone, whether they are tech-savvy or prefer simplicity. All profiles are enabled to receive phone calls, ensuring critical communication during emergencies, allowing every worker to confidently and effectively use the device.

Simple setup

Thanks to the eSIM, TWIG Eon is easy to set up and ready for immediate deployment. There's no need for manual SIM card installation or complex network configuration. Simply select the appropriate wearer profile and define emergency or contact phone numbers, and the device is operational.

Emergency communication

TWIG Eon offers a comprehensive emergency communication framework, enabling organizations to stay connected with their lone workers in multiple ways. The device supports emergency calls, SMS, email notifications, and push notifications via a mobile app, ensuring that in an emergency, the right people are alerted quickly.

Advanced power management

The TWIG Eon can operate for up to one week on occasional tracking, thanks to advanced power-saving modes and intelligent power management. This long battery life minimizes downtime, ensuring lone workers stay protected without needing frequent recharging, especially in remote areas.

Real-time reporting

The TWIG Eon stays connected to the mobile network at all times, even in power-saving modes, ensuring it's always ready to send alarms or make calls during emergencies. Its periodic reporting provides real-time updates on worker status and location, enhancing safety and peace of mind in any work environment.

TWIG Point cloud services

TWIG Eon, supported by TWIG Point services includes multi-level user management, allowing organizations to configure settings for multiple devices with just a click. The SaaS cloud infrastructure guarantees high availability and reliability, ensuring that both devices and services are always operational.

TWIG Eon

Technical Specification

Communication

- LTE Cat-M1 modem supporting bands used in Europe, North America and Japan
- UDP, VoIP
- Bluetooth Low Energy communication with beacons
- Voice communication : VoIP with secure interconnect to phone networks
- Data communication: Encrypted, resilient with message buffering on flash
- eSIM

Compatibility

- Integrated with TWIG Point SaaS services
- TWIG MPTP compatible

Mechanics

- Diameter: 46 mm
- Thickness: 14 mm
- Weight: 46 g including battery
- Water and dust proof (IP67), shock resistant

User interface

- Wearer profiles: auto, easy, full and tracking profiles, custom profiles on request
- Adjustable UI: Selected profile enables/disables UI features
- Watch: Analog watch, two software controlled hands
- Buttons: Emergency call, menu, two keys (up/down)
- LEDs: 2 user interface / status LEDs

Battery and operating time

- Rechargeable 500 mAh Li-ion battery
- Phone always on continuous tracking: 2-3 days
- Phone always on and occasional tracking: up to one week, depending on used profile and conditions
- Phone on when required: up to four weeks, depending on used profile and conditions

Operating temperature

- Use: -20°C – +45°C
- Charging: 0°C – +40°C

Satellite positioning system

- GPS receiver
- A-GPS assistance
- Tracking

Sensors

- 3D accelerometer

Audio

- Speaker, microphone, haptic feedback
- Adjustable volume control

Display and keys

- Two row OLED display with guiding symbols
- SOS button, menu, two keys (up/down)

Over-the-air updates

- Configuration, parameters, safe zone and firmware

Calls, alarms and notifications

- User initiated phone calls: To alarm receiving centre and up to 8 speed dial numbers
- Automatic or by user accepted calls, white list access control, 100% SOS call routing
- Alarms on critical and low battery, no movement, exit, safe zone exit, SOS call not answered, no service connection

Statistics and reports

- Activity statistics little movement, beacon area, out of safe zone periods
- Event reports on periodic status, help request call, beacon, activity statistics and battery status
- Charging and location reports

Services

- 4G data connection included
- VoIP phone calls
- VoIP to PSTN connection
- 100% secure SOS call routing
- IVR (Interactive voice response)
- REST APIs
- A-GPS Updates

Standard sales package

- TWIG Eon personal alarm device with silicone wristband, charging station (with built-in BLE beacon), power cable and charger

Accessories

- Charger with USB-C cable
- Charging station BLE
- BLE mini beacon, AC power
- BLE mini beacon, Battery operated



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