

TWIG Bracer

The smart safety phone

TWIG Bracer is a 4G safety phone for industrial and outdoor lone workers requiring a rugged smart phone with emergency buttons and automatic alarm functions.



Lone worker protection functions

- ManDown+ alarm with two automatic alert triggers: device orientation and non-movement
- Amber alert
- SOS key for panic situations
- 2-way voice



Two in-one dedicated

- Android smart phone
- Lone worker alarm



Robust and powerful

- Powerful battery and loudspeaker
- Water and dustproof IP69
- Shock resistant



Location over MPTP

- GPS, Glonass
- Cellular and Wi-Fi location
- AGPS for faster GPS position



All inclusive

- Phone, PIM, e-mail, web, Android
- 2G/3G/4G, USB-port
- Bluetooth, Wi-Fi
- Touch + keypad
- LED torch, camera



Remote device management

- TWIG Point Remote Configurator
- Saves time and money in customer support

Lone worker safety phone

Duty of care requires employers to give lone workers means to alert help. Depending on risk assessment, a dedicated alarm device may be required. A safety phone with alarm button, doubling as mobile phone, is often suited for moderate risk scenarios.

Alarm functions

Automatic ManDown fall detection or no movement function can trigger alert if user is incapacitated.

When entering a risky situation, enhanced monitoring can be requested with Amber alert. It can trigger alert in ARC also in absence of GSM connection.****

Panic alarm can be activated with red SOS key, push-to-talk side key or soft SOS key on touch screen.

More than smart phone

TWIG safety phone has been designed to respond to the communication and safety requirements of outdoor and industrial employees working alone in demanding environments.

Efficient deployment

Remote configuration makes TWIG device fast to deploy and flexible to operate. Turn-key over-the-air device configuration accessible with TWIG Point user account.

4G VoLTE

TWIG Bracer enables also voice communication over LTE. Voice calls in 4G network improve call quality especially in buildings where signal strength is poor for some reason or other.

Alarms monitoring and tracking

TWIG Integrator Kit resources enable integrating TWIG devices with alarm receiving centre (ARC).

Optionally the TWIG Point Monitor cloud service provides a turn-key solution for alarms monitoring and tracking.

Alarms and reports can also be received on smartphone as SMS with web map link.

Twig Bracer

Technical Specification (RG170)

Compatibility and communication

- Communicates with all systems using MPTP (Mobile Phone Telematics Protocol) both SMS and GPRS (IP).
- Tracking and alert messages include information on satellite positioning, speed, heading and battery charge.

Provisioning and security

- Remote configuration with Twig Point Remote Configurator
- Authorisation of remote and local access
- SSL/TLS secured server connection

Mechanics

- Dimensions: 135,5 mm x 61 mm x 21,5 mm
- Weight: 197 g including battery
- Water and dust proof (IP69)
- Impact, vibration, shock and temperature resistant

Lone worker alarm functions

- Manual alert through SOS key
- ManDown+ alarm with two automatic alert triggers: device orientation and non-movement
- Amber alert (timer alert, local + server based)
- Two-way 4G/3G/GSM voice with speaker
- Device and user status messages
- Interactive on-screen messages
- GNSS satellite positioning (GPS+Glonass)
- Wi-Fi tracking
- Geofence

Camera and torch

- 2.0 MP (rear)
- Torch with LED light

Key technical features

- GSM/GPRS/EDGE: B2/3/5/8
- WCDMA/HSPA+: B1/5/8
- TDD-LTE: B40
- TDD-LTE: B1/3/5/7/8/20
- Operating temperature -10°C..+50°C
- 1GB RAM and 8 GB ROM with Micro-SD Card up to 128 GB
- Processor MTK6739V/WA
- Rechargeable 2800 mAh Li-ion battery
- Android OS (Go)

Card slots

- MicroSIM
- Micro SD card

GNSS and AGPS

- GPS and Android AGPS, Glonass

Operating time

- In actual use, the standby time and talk time of the phone varies with the network status, working environment and usage.

Wireless technologies

- Bluetooth Low Energy 4.2
- Wi-Fi IEEE 802.11

Country of HW origin

- RugGear 170 made in China
- Imported in EU by Magneta S.A.

Display and keys

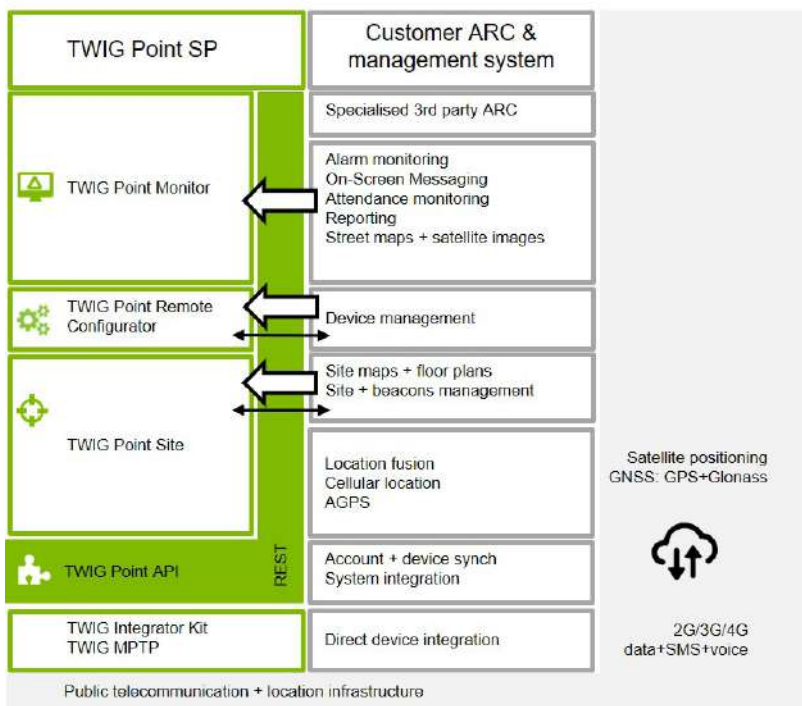
- One red SOS key
- Touch screen with dedicated alarm keys
- Preprogrammable assistance call keys
- Numerical phone keypad

Software and resources

- Twig Point SaaS turn-key services including remote configuration to manage all device settings remotely
- Twig Integrator Kit for ARC integration

Standard sales package

- Twig Bracer unit with battery
- Mains charger with USB cable and adapter of choice (EU/UK/AU)
- Belt clip
- Screwdriver
- User and safety documents



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