blackline

G7 BRIDGE

Features

Portable

Weatherproof design

Dual mode communications

9000 MHz communications

TeamAlert

Two-way messaging

Portable Satellite & Cellular Base Station

The Blackline Safety G7 Bridge device is a portable base station that provides a satellite and cellular uplink for G7x and Loner 900 monitoring devices.

One G7 Bridge can link up to five G7x or Loner 900 devices. G7 Bridge communicates with devices through an industrial-quality 900 MHz radio link. The employee worn monitoring devices can work up to 2 km away from G7 bridge, even inside complex facilities.

Through Iridium satellites or 3G cellular data, G7 Bridge communicates with the Blackline Safety Network. The transition to satellite communication is automatic when working beyond cellular networks, ensuring seamless monitoring. Equipped with GPS location technology, it provides your organization with a simple alternative to elaborate fleet management systems. G7 Bridge can mass-notify employees of the need to evacuate, connect workers to monitoring personnel via two-way messaging and account for teams on a real-time map, to best leverage available resources when help is needed.

The Blackline Safety Network monitors remote worker safety around-the-clock. It includes communication networks, our Blackline Live™ web portal, your user account and monitoring devices. Through Blackline Live, create and customize configuration profiles for G7 Bridge and connected G7x or Loner 900 devices.

G7 Bridge is self-powered and portable, allowing you to quickly move it from one vehicle to another, such as from a truck to an all-terrain vehicle. It has your back at all times, no matter your location.

G7 Bridge with G7x device

Environmental

Storage temperature: -30°C to 75°C (-22°F to 167°F)
Operating temperature: -20°C to 55°C (-4°F to 131°F)
Charging temperature: 0°C to 45°C (32°F to 113°F)
Ingress Protection: Designed to meet IP65

Regulatory Compliance

FCC, IC, RCM, RoHS
Contains: FCCID: XPYICGM5NNN, Q639603, KQNMLINK900, IC: 8595A-ICGM5NNN, 4629A-9603, 2361A-MLINK900

Device Requirements

Activated service plan, satellite communications requires line-of-sight to satellites, GPS for locating, safety monitoring requires active 900 MHz and satellite or cellular connections

Warranty

One-year limited factory warranty

Wireless coverage and service plans

Cellular coverage: Nearly 150 countries
Satellite coverage: Global
900 MHz operation: ITU Region 2, Australia, New Zealand
Service plan options: Contact Blackline

Blackline Live Web Application

Cloud-hosted safety monitoring web application is highly customizable for every customer requirement. Includes live map, employee address book, user roles, alert management, device configurations, alert setups and reporting.

Size & Weight

Size: 73 mm x 107 mm x 141 mm (2.87"x 4.21"x 5.55")
Measurements do not include mount
Weight: 540 g (19.04 oz)

Buttons & Indicator Lights

Power button: Power on/off
Red light plus buzzer: Safety alert
Green SureSafe™ light: Blinking (powered), continuous (connected)
LCD Screen: Display menu, battery status, backhaul link status
Menu Navigation buttons: Up, Down, OK

User Notification

Indicators: Acoustic buzzer, indicator lights
LCD Screen: Display notifications/messages from backend

Wireless Communication

Radio: UMTS 800/850/900/1900/2100; Quad-band GSM/GPRS 850, 900, 1800, 1900; Iridium Satellite (1621 MHz); ISM band radio (915 MHz)
900 MHz Radio: Americas: 902 – 928 MHz Australian/New Zealand: 916 – 927 MHz, 1 Watt
Antenna: Internal

Location Technology

GPS Radio: 72 channel high sensitivity
GPS Accuracy: ~5 m (16 ft) outdoors, ~50 m (165 ft) indoors
GPS Real-time location turnaround time: ~20 seconds
Assisted GPS

900 MHz Radio Link Range

General use: up to 2 km
Hilltop to hilltop: 10+ km Terrain, foliage, and buildings will affect overall 900 MHz radio link range

Alert Messages

Emergency/Low battery/Power off/Text messages

Mobile Messaging Methods

Remote messaging by email or SMS

Power & Battery

Rechargeable Li-ion battery: 6800 mAh capacity
Battery Life: 50 hours @ 20°C (68°F); 44 hours @ -20°C (-4°F); 14 hours @ -40°C (-40°F); It is recommended that the hard wire kit is used anytime below -20°C
Charging connector: Micro USB