

OVERPROTECTIVE.
IN A GOOD SORT OF WAY.

Wearable Device HC1

The “Communicator”



MISSION STATEMENT

Forged in the presence of a fiery blast furnace melting iron at 3000° F. Fueled by grease, will and advanced engineering. Guardhat is focused on one thing and one thing only:

TRANSFORMING
SAFETY IN THE
INDUSTRIAL
WORKPLACE.

INTRODUCING GUARDHAT MODEL HC1

Guardhat exists to create smart and pioneering solutions that instantly connect and protect people, enhance productivity and drive progress.

Making use of Industrial Internet of things (IIoT) related technologies, Guardhat provides a safety platform that consists of wearable devices, infrastructure, and software. All the parts of Guardhat’s system work together to detect and communicate dangerous conditions and monitor assets including the most valuable of all: **workers**.

A forthcoming wearable device in the Guardhat system is the HC1, which allows two-way and CB-style communication via Push-to-Talk (PTT) and is customizable to detect multiple events including ambient conditions and falls.



POWER & FIT OPTIONS

The removable and rechargeable Lithium-ion battery is a dual cell model, suitable for an 8-12 hour shift (depending upon usage). Batteries can be changed out on the go for extended functionality.

The battery charger (supplied separately) can charge up to four batteries at once of either variety.

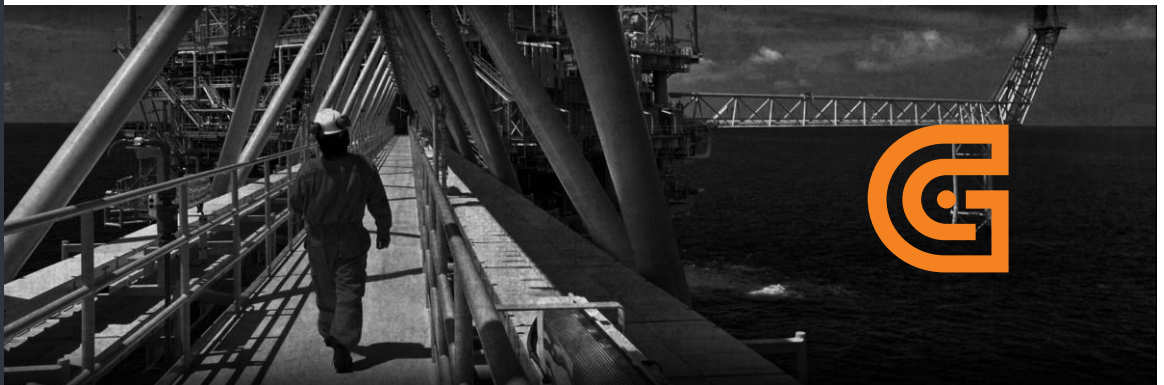
The included 3M hard hat suspension is adjustable to fit many different head sizes and replaceable to accommodate a new user or worn / soiled suspension.

CONTACT US

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PRODUCT SPECIFICATIONS

Wireless Connectivity	UWB, Zigbee, Wifi, LTE, NFC, BLE, Bluetooth, Mobile Hot-Spot
Multimedia Options	LEDs, Audio Speakers, Microphones, 13MP Camera (video and still image), PTT, VOIP, Video Uplink
3-D Location Accuracy	< 1 meter
Sensors	Temperature, Humidity, Pressure, Noise Level, Hat Not Worn, Fall Detection, Proximity Danger
Battery Capacity (dual cell)	4800 mAh (typically 8-12 hours)
Maximum Weight (with suspension)	800 g 1 lb, 12.2 oz
Operating Temperature	-20° C to 60° C -4° F to 140° F
Storage Temperature	-20° C to 60° C -4° F to 140° F
Recommended Battery Storage Temperature	20° C ± 5° C 68° F ± 9° F

SIMPLE USER INTERFACE

Buttons and LEDs are located on the underside of the brim for ease of access and visibility. LEDs indicate events along with various audible alerts.

Buttons can be used to place / answer a call for direct communication.

Additional LEDs located on the outside of the hard hat can alert nearby personnel to possible hazardous conditions and a button on the brim can be used to capture an image.

Buttons and LEDs can be customized for a number of events including:

- Evacuation
- SOS
- Geofence Breach
- Elevated Noise Level
- High / Low Ambient Temperature
- Fall / Acceleration
- Proximity Danger

Additional events are available and the open application programming interface of the Kyra software which collects and analyzes the data allows for infinite customization of events and responses.

