

Mayday!
Mayday!
Mayday!



East Gear[®]

BUDDY FINDER SYSTEM

Product Overview
June 2026

WEBSITE



FACEBOOK



YOUTUBE



WWW.EASTGEAR-INT.COM

v010626

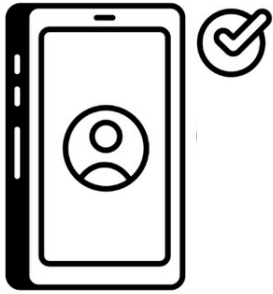
Design Concept

This system is designed for firefighter safety monitoring, indoor/outdoor positioning, and rescue operations. It features distress alarms, mutual indoor positioning and rescue, directional guidance, retreat commands, and self-organizing network communication capabilities. It adapts to various rescue environments to ensure firefighter safety in fire scenarios.

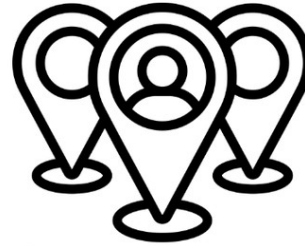


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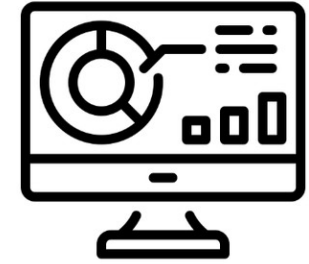




Intelligent Registration



Positioning



First Line Operators
Data Monitoring

Key Features

Dual Channel
Data Transmission



Search & Rescue



Data Analysis



System Overview

Key Components



Vital Sign Monitoring
Bracelet



SCBA



Gas Detector

Maintenance

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Buddy Finder



Beacon / Relay /
Registration Device



Entry Control Tablet

Optional



Charging
Dock



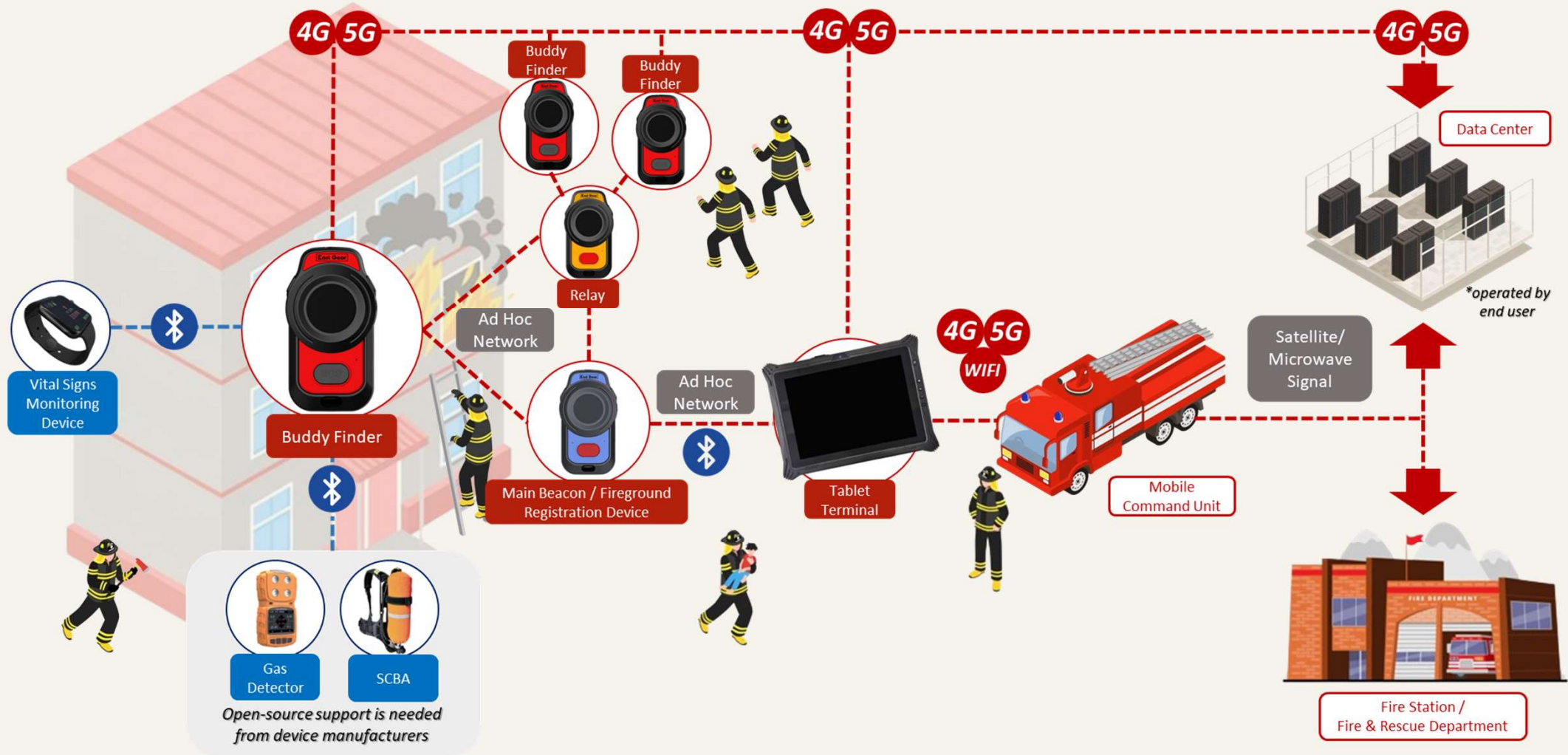
All-in-One
Management Software



PC Connection
Port

System Diagram

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Buddy Finder

- 3 types alarm: Motion / Temperature / Mayday
- One press “Mayday” to all buddies
- “Search & Rescue”: Buddy locating by measuring relative height, distance & direction
- Support GPS & BDS
- Direction lights
- Key activation
- Dual-channel transmission: 4G Ad Hoc network
- Internal data storage
- Water & dust protection
- Explosion proof
- Handy size with big button enables easy operation with gloves
- Multiple languages



Beacon / Relay

- Transmission repeater for Buddy Finder
- Locating guidance by deploying at key locations or exits
- Three function roles:
Main Beacon / Sub Beacon / Relay
- One press "Retreat" to all buddies
- Support GPS & BDS
- Direction lights
- Key activation
- Dual-channel transmission: 4G / Ad Hoc network
- Internal data storage
- Water & dust protection
- Explosion proof
- Handy size with big button enables easy operation with gloves
- Multiple languages

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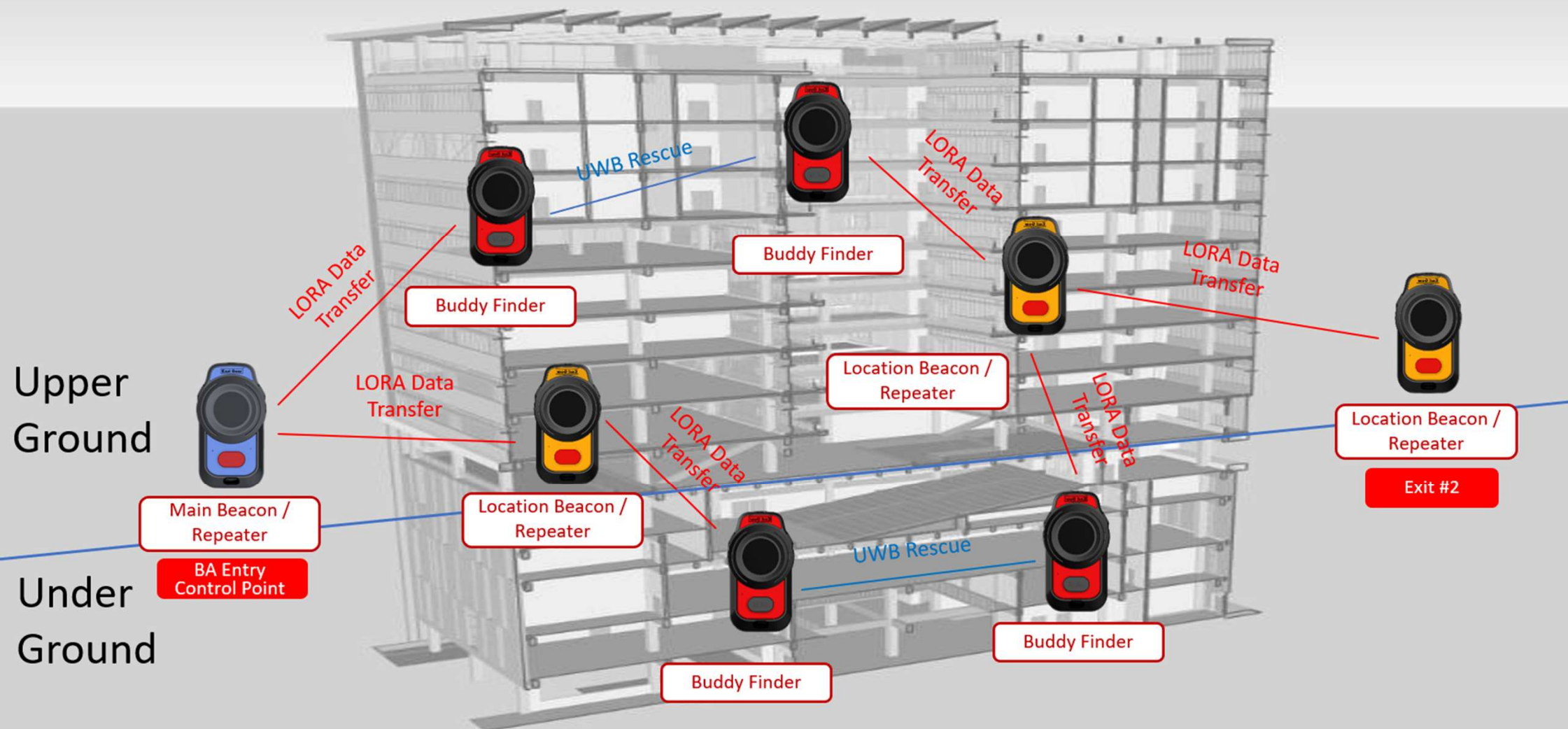
**Black/Blue Color as
"Main Beacon"**



Specific Data

System Diagram

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Smart Bracelet

**New Gen Smart Bracelet
for vital sign monitoring**

Device Details:

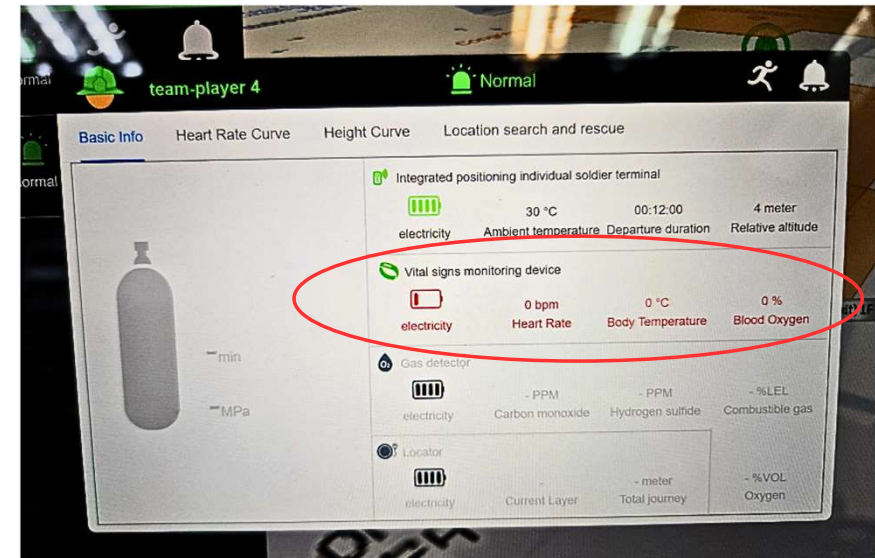
- **Device Size(mm):** 48 x 38 x 14.2 ($\pm 5\%$) (watch face only)
- **Screen:** 2.01" ($\pm 3\%$), COF, touch screen
- **OS Requirement:** Android 8.0 / IOS 12 or above
- **4G + Bluetooth 5.0**
- **Positioning:** GPS, BDS & BLE Beacon
- **Vital sign monitoring**
- **Battery volume:** 530mAh (magnetic charging)
- **RAM:** 1MB
- **IP67**
- **Ex ib IIC T4 Gb**
- **Multiple languages**



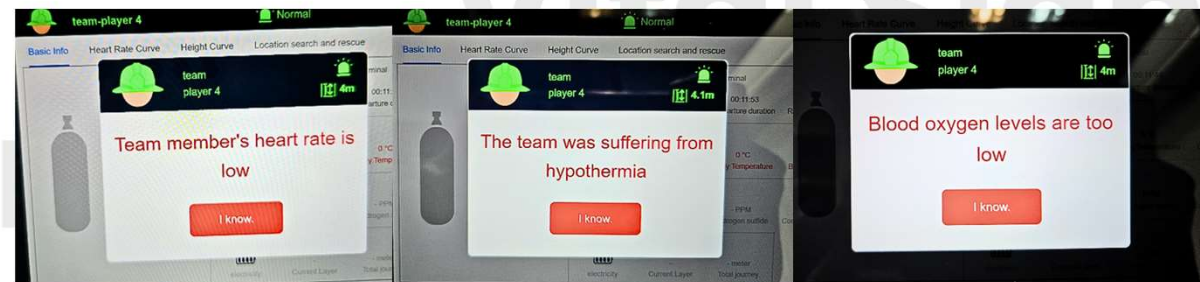
Smart Bracelet

Main Functions:

- Serve as a vital sign monitoring device
- Track firefighter's SpO2, body temperature and heart rate
- Connect with Buddy Finder by Bluetooth, and thus enable connection to Entry Control Tablet for on-site personnel monitoring
- Instant alert will be sent to Entry Control Tablet in case of any abnormal signs captured



Smart Bracelet will send alert to Entry Control Tablet for any abnormal signs detected for further possible actions.



Entry Control Tablet

Main Functions:

- Serve as a control terminal at operation scene, to monitor all on-site personnel's vital signs and positions via Buddy Finders, Beacons, SCBAs and vital sign monitoring bracelets
- With the use of electric maps or web maps (e.g. Google Map), users are able to draw and create a 3D building model of operation scene for easy tracking of personnel, devices and sources
- Monitor the status of all devices registered, e.g. gas level, device power and connection status
- Track dynamic records for real time management and future data analysis
- Display all "Mayday" alarms to alert in-time rescue
- Able to send "Retreat" command to all and monitor response status

Entry Control Tablet
at Entrance Point



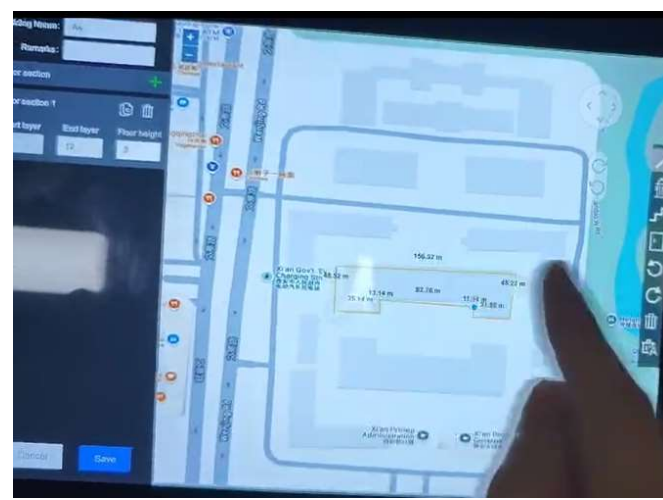
**Main Beacon will be equipped with Registration Device functions.*



Entry Control Tablet

Positioning by 3D Model Building:

- Fast modeling:
 - it supports fast 3D modeling by just taking the outline directly on the map
- Plotting important exits and sources:
 - the location of sensitive sources such as exit, ignition location and water source can be plotted
- Position display:
 - when a personnel carrying Buddy Finder passes near the beacon, his position is displayed in the model;
- Satellite positioning:
 - display the position of devices in real time on the GIS map.



Use finger to outline the building shape directly on the web map, set floor height and no. of floor.

Click "Save", a 3D building model will appear on the screen for plotting important sources.



All-in-One Management Software

Main Functions:

- The software system is installed on user PC workstations, with one suite deployed at each maintenance station. It enables users to perform equipment maintenance and management, software upgrades, and database analysis.
- 1 Workstation can connect 16 devices simultaneously.
- Able to use without connecting internet nor cloud service.
- System consists of 3 functional modules: Device Information(Configuration) / Database / Settings
- Default language is English (different language per request)

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Device Information



Database



Settings



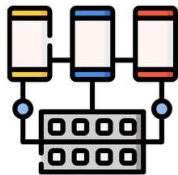
System

All-in-One Management Software



Device Information (Configuration):

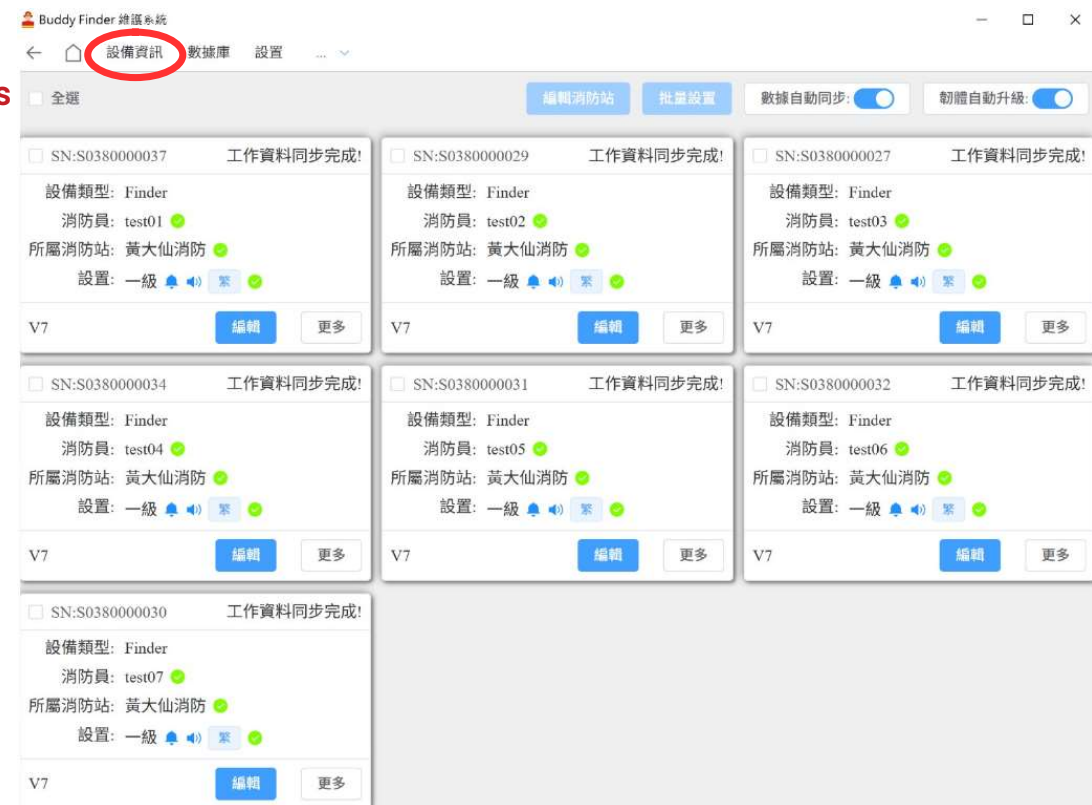
- to review, back up and edit device current setting, such as device ID, fire station ID, etc.)
- to input new device into database
- to upgrade device software by batch using dock station
- 1 work station could manage up to 16 mixed type of devices (8 ports/dock, can connect max 2 docks)(i.e. Buddy Finders and Beacons can be maintained at the same time)



8-port dock station



Device Information



All-in-One Management Software



Database:

- to call back data records of Buddy Finders, including falling and manual alarm records, temperature flow graph, Battery Usage etc.
- enable data analysis for future operation management



Database

Buddy Finder 維護系統

← 設備資訊 **數據庫** 設置 ...

開始日期 - 結束日期 名稱 請輸入 導出

☐	名稱	消防站	SN	日期	開始時間 - 結束時間	
☐	test28		S0380000028	2026年3月5日	17:40:52 - 17:40:56	詳細資訊 導出 刪除
☐	test05	黃大仙消防	S0380000031	2026年3月5日	17:38:49 - 17:39:49	詳細資訊 導出 刪除
☐	test02	黃大仙消防	S0380000029	2026年3月5日	17:38:45 - 17:39:18	詳細資訊 導出 刪除
☐	test07	黃大仙消防	S0380000030	2026年3月5日	17:38:42 - 17:39:42	詳細資訊 導出 刪除
☐	test06	黃大仙消防	S0380000032	2026年3月5日	17:38:40 - 17:39:13	詳細資訊 導出 刪除
☐	test04	黃大仙消防	S0380000034	2026年3月5日	17:38:35 - 17:39:35	詳細資訊 導出 刪除
☐	test01	黃大仙消防	S0380000037	2026年3月5日	17:38:33 - 17:39:07	詳細資訊 導出 刪除

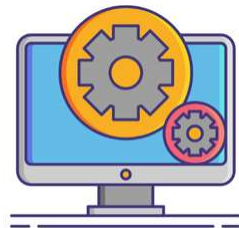
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All-in-One Management Software



Settings:

- to set/change system language, interface style, etc.
- to upgrade system software



Settings





***Buddy Finder Only**
+ Charging Dock
+ All-in-1 Mgmt Software

** at least 2 sets Buddy Finder*

A



***Buddy Finder(s)**
+ 1 Main Beacon
+ Charging Dock
+ All-in-1 Mgmt Software

B



***Buddy Finder(s)**
+ Beacon(s)
+ Charging Dock
+ All-in-1 Mgmt Software

C

Recommended Combination



***Buddy Finder(s)**
+ Beacons
+ Charging Dock
+ All-in-1 Mgmt Software

D

***Buddy Finder(s)**
+ Beacons
+ Vital Sign Bracelets
+ Entry Control Tablet
+ ****Registration Device**
+ Charging Dock
+ All-in-1 Mgmt Software

*** Main Beacon will be equipped with Registration Device functions.*



E



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Free Resources: www.freepik.com