Product Name	GAOTek Bluetooth Beacon for Parking Lots
Product SKU	GAOTek-BB-111
Product URL	https://gaotek.com/product/gaotek-bluetooth-beacon-for-parking-lots/

Content

INTRODUCTION: -

Gao Tek, a provider of location based IoT solutions and comprehensive services with a global perspective, is based in overseas markets and focuses on diversified business scenarios for overseas customers. Relying on standardized products and services, it connects people, the market, and things. The related applications involve multiple fields such as transportation, office, home furnishings, warehousing, industry, and healthcare.

Gao Tek looks forward to working together with numerous partners to explore sustainable development in the global market, and to make location based IoT serve thousands of industries.
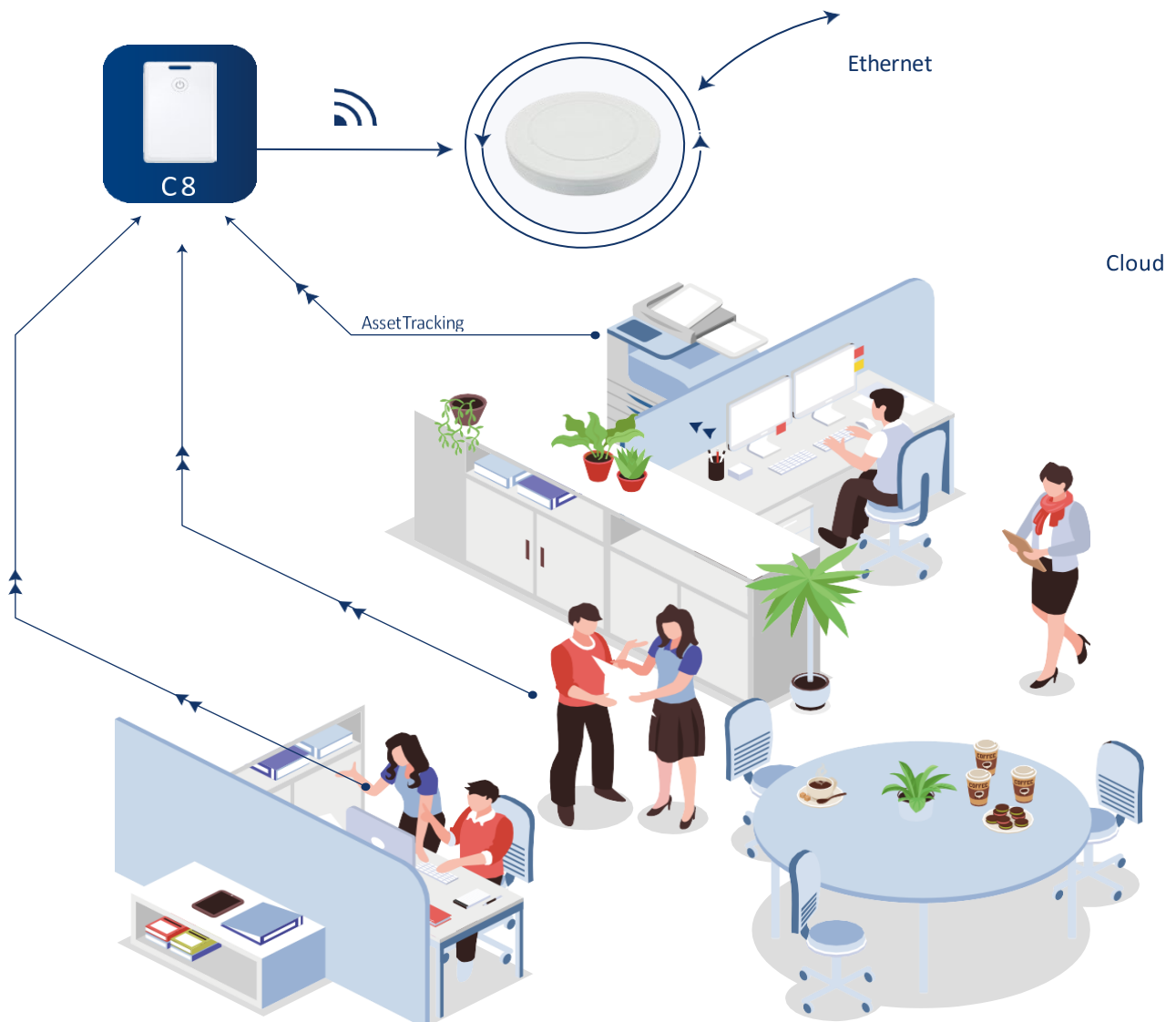
GAO Tek C8: -

C8 is a multi-functional card-type Bluetooth beacon with a card-like design and ABS casing. It's only 4.9mm thick and offers a battery life of over 5 years. It can include an ACC accelerometer and a 13.56MHz RFID. This enables features like employee clock-in, attendance, payments, and access control. With a gateway, it allows quick Bluetooth-based positioning for safety management, personnel tracking, and improves business processes. It's also helpful for emergency situations.

Product parameters	
Chip	Dialog DA14*series
Support protocol	Bluetooth BLE 5.1, Apple standard iBeacon protocol, Google Eddystone
Measurement method	RSSI
Power supply scheme	1pcs Li-MnO2 battery, 850mAh capacity
Transmitting power	Default 0dBm
Transmission distance	Up to 120 meters
Endurance time	5 years+(default noACC)
Broadcast interval	Default 1000ms, adjustable range 100ms to 3000ms
Protection level	IP66 grade dustproof waterproof
Working temperature	-20℃~60℃
Working humidity	No more than 90%
Appearance size	86*54*4.9mm(L*W*H)
Weight	About 20 grams
LED indicator	Alarm indication, switch indication, low power indication
Alarm function	With external buttons, support the development of a key to call for help. /a key alarm and other functions
Sensors	Support acceleration sensor (optional)

SCENARIO APPLICATIONS:

1.Quick positioning personnel position, often used for schools, hospitals, offices, etc.

2.Inventory positioning and tracking in warehouses, logistics and transport

3. Allow asset tracking by installing on the target asset

4. Indoor activity monitoring, monitoring the duration, scope, duration of stay and other data of the target activity

5.Emergency call, C8 is equipped with a SOS button

GAO Tek L8: -

L8 is a portable Bluetooth beacon with a clasp design that can be worn in multiple ways using accessories like a back clip or hanging cord. It's a low-power Bluetooth 5.1 device for positioning and marketing. The battery lasts over 1.5 years and is easily replaceable. It has a 13.56MHz RFID for linking with ID cards and badges for functions like payments and access control, making it useful for events. With a gateway, it uses indoor positioning to track wearers, enhancing safety management and emergency response in applications like attendance and visitor management.
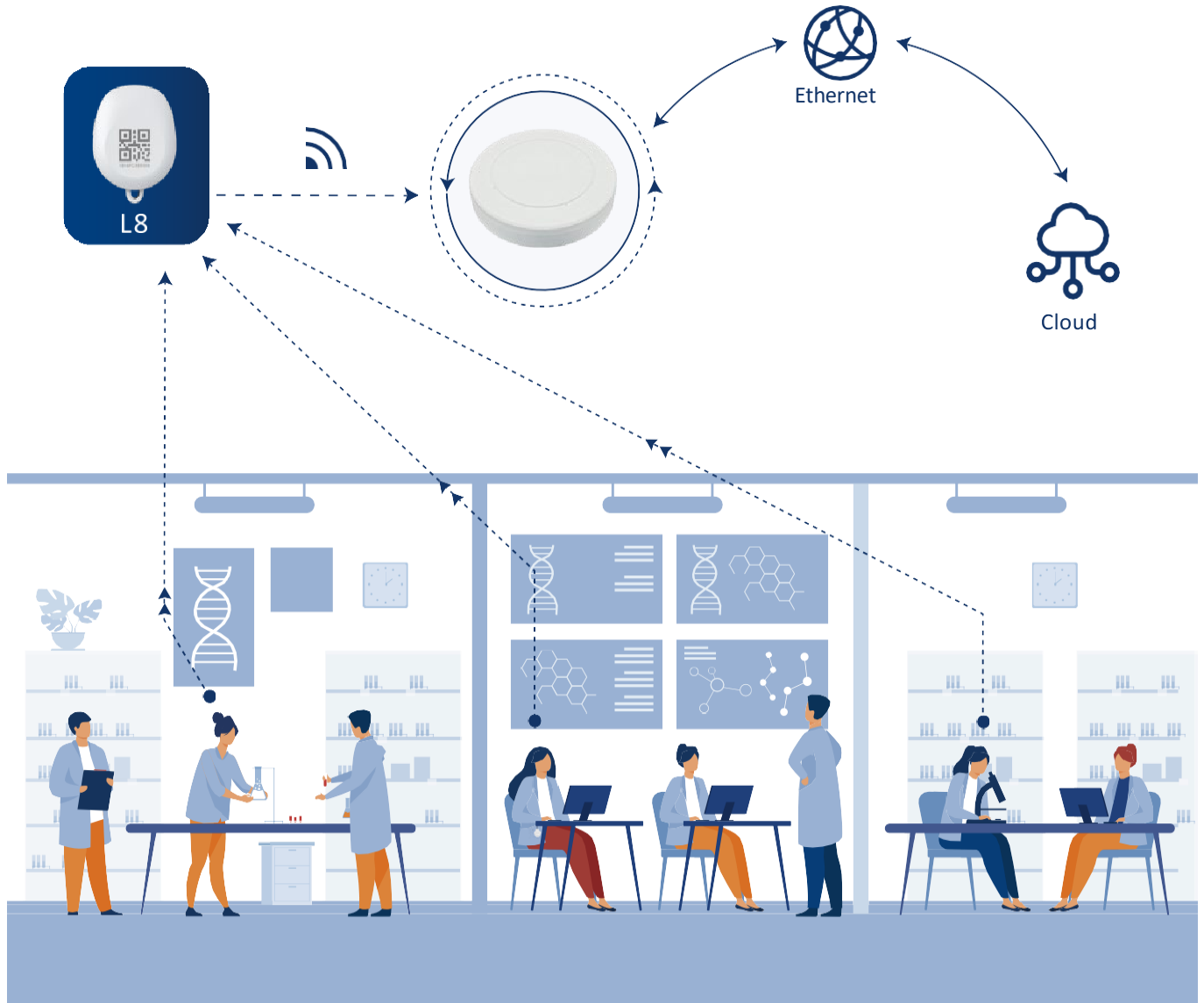
Product parameters	
Chip	Dialog DA14 * series
Support protocol	Bluetooth BLE 5.1, Apple standard iBeacon protocol, Google Eddystone
Measurement method	RSSI
Power supply scheme	Button battery, capacity 230mAh
Transmitting power	Default 0dBm
Transmission distance	Up to 120 meters
Endurance time	1.5 years (default parameter)
Broadcast interval	Default 1000ms, adjustable range 100ms to 3000ms
Working temperature	-20℃ ~ 60℃
Working humidity	No more than 90%
Appearance size	38.2 * 31.5 * 11mm (L * W * H)
Weight	About 20 grams
LED indicator	Alarm indication, switch indication, low power indication
Alarm function	With external buttons, support the development of a key to call for help /a key alarm and other functions

SCENARIO APPLICATIONS:

1. Perfectly compatible with the original brand, easy to use and carry

2. The built-in 13.56MHz RFID can be combined with ID card / plate and other identification equipment.

3. Construct personnel positioning system with gateway to track activity trajectory and status.

4. Emergency call, L8 is equipped with a call button

GAO Tek R5: -

R5 indoor universal beacon is a Bluetooth beacon product for indoor positioning and marketing. By using advanced low-power Bluetooth chip and unique power supply scheme, the beacon 's endurance time is four times higher than that of the same level (size) products in the industry. It can be used for five to six years, which solves the problems of frequent battery replacement and system maintenance. With a circular shell design, high-quality 3M VHBTM back adhesive has stronger adhesion and more reliable use. The deployment and disassembly are convenient and can be implemented in large areas in public places such as hospitals, nursing homes, shopping malls, airports, and exhibition halls to build a positioning and marketing service network.

Product parameters	
Chip	Dialog DA14＊series
Bluetooth protocol	BLE4.2
Battery	ER14505 Lithium 2400mAh
Duration	5~7 years
Operating voltage	3.6V
Transmission distance	120M
Antenna	PCBonboard
Waterproofgradation	IP64
Overall dimensions	65mm*25mm (Φ*H)
Weight（including battery）	About 55g
Certification	CE/FCC/IP64
Color	White
Installationmethod	Viscose

SCENARIO APPLICATIONS: -

1. Rapid positioning personnel position, real-time push marketing information.

2. Tracking the customer 's activities during the shopping period provides important insights into customer habits and shop- ping behavior for accurate offers.

3. Quick and easy access to tourist attractions, museums, exhibitions, and other areas of the relevant explanation.

4. To help tourists and customers in the airport, station, museum, shopping center and other places to obtain the optimized route, convenient and quick to reach the destination.

GAO Tek R5C: -

R5C indoor standard beacon is a low-power Bluetooth product specifically designed for positioning and marketing. Delicate touch, compact and convenient; 3M adhesive fixed installation makes deployment more flexible and suitable for various application scenarios. R3 can quickly locate personnel positions and push marketing information in real-time through indoor positioning technology.

Product parameters	
Chip	Dialog DA 14 * series
Bluetooth protocol	BLE 4.2
Battery	1500mAhLithiummanganese
Duration	4~5 years
Operating voltage	3.0V
Transmission distance	120M
Antenna	PCBonboard
Waterproof gradation	IP64
Overall dimensions	46mm*25mm (Φ*H)
Weight (including battery)	About 48g
Certification	CE/FCC/IP64
Color	White
Installation method	Viscose

SCENARIO APPLICATIONS: -

1. Rapid positioning personnel position, real-time push marketing information.

2. Tracking the customer 's activities during the shopping period provides important insights into customer habits and shop- ping behavior for accurate offers.

3. Quick and easy access to tourist attractions, museums, exhibitions, and other areas of the relevant explanation.

4. To help tourists and customers in the airport, station, museum, shopping center and other places to obtain the optimized route, convenient and quick to reach the destination

GAO Tek C3: -

The. C3 outdoor ground type beacon is a positioning beacon for indoor and outdoor scenes. The product is equipped with low-power high-performance Bluetooth chip and large capacity battery, in the case of low-power broadcast, the service life of up to 8 to 10 years. At the same time, the internal and external layout of the product structure adopts reliable technology, which increases the ability of waterproof and dustproof (IP68), shockproof and pressure proof (20 tons), and meets the practical requirements of strong compressive performance and maintenance-free outdoor deployment in parking application management scenarios such as hospitals, parks, chemical plants, shared electric vehicles, shared bicycles, etc. The product can be deployed on the out- door ground and other harsh environments, making the application of positioning beacons expand to all kinds of harsh environmental conditions.
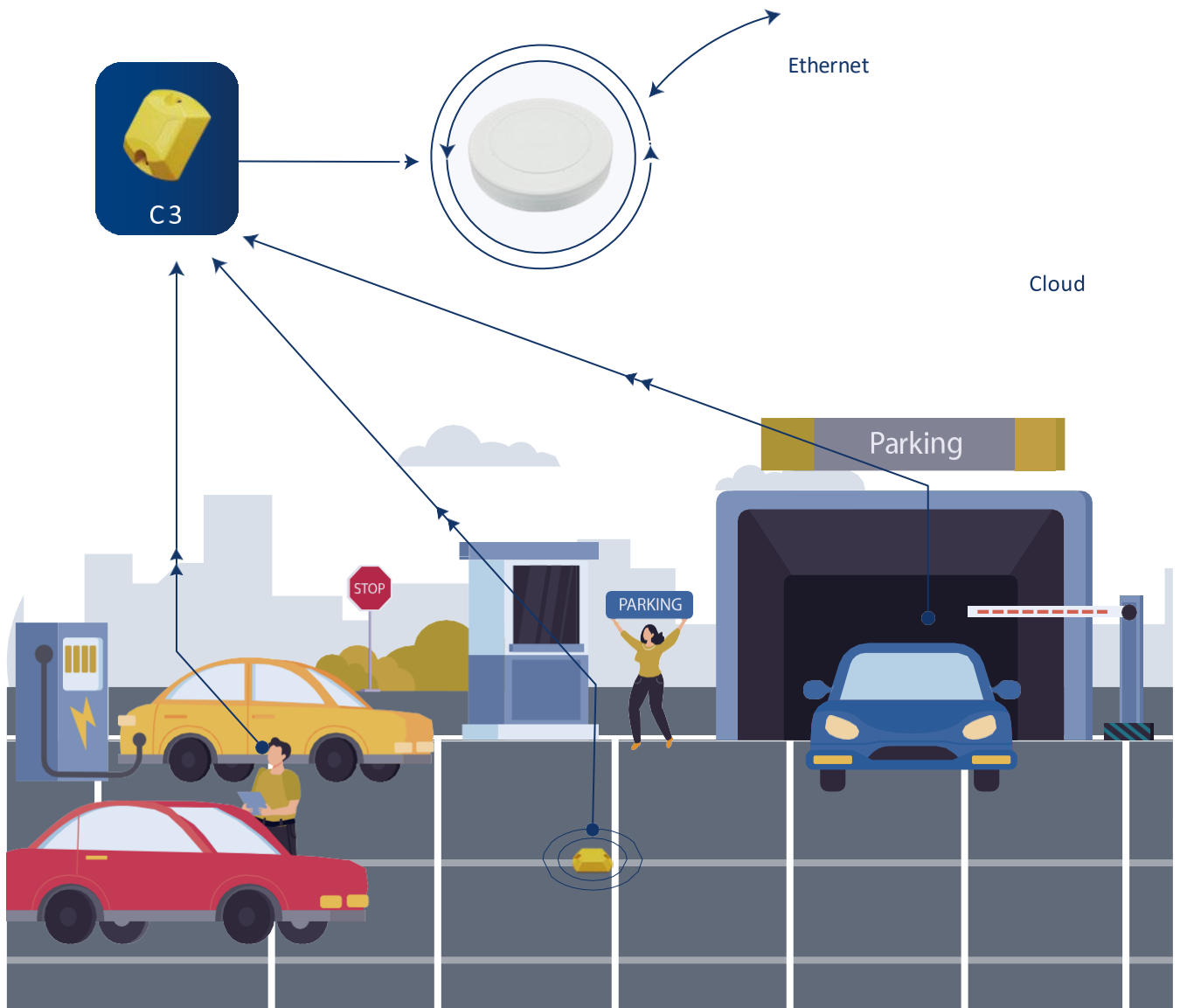
Product parameters	
Chip	Dialog DA14 * series
Bluetooth protocol	BLE4.2
Battery	ER14505*2
Duration	10 years+
Operating voltage	3.0V
Transmission distance	120M
Antenna	PCBonboard
Waterproof gradation	IP64
Overall dimensions	107mm*98mm*26mm (Φ*H)
Weight (including battery)	About 246g
Certification	IP68
Color	Yellow
Installation method	Lock screw (ground attached)

SCENARIO APPLICATIONS: -

1. Bicycle-sharing ground electronic fence.

2. smart parking applications, parking lot monitoring.

3. Information push.

GAO Tek L3: -

The L3 thin and light tag beacon is a low-power Bluetooth product used for positioning and marketing. L3, the positioning beacon applied in indoor scenes, uses the lowest power consumption chip, has a long battery life, is easy to deploy and disassemble, and is cheap. Indoor positioning technology can quickly detect the wearer's activity trajectory and status. It can not only realize the daily check-in and sign-in of employees, but also build a personnel tracking system to deal with emergencies by combining it with the Gao Tek IoT gateway. L3 includes a One-key alarm/one-key repair function, which can be used for personnel positioning and material management positioning applications, and is widely used in hospitals, shopping malls, exhibition halls and other scenarios.
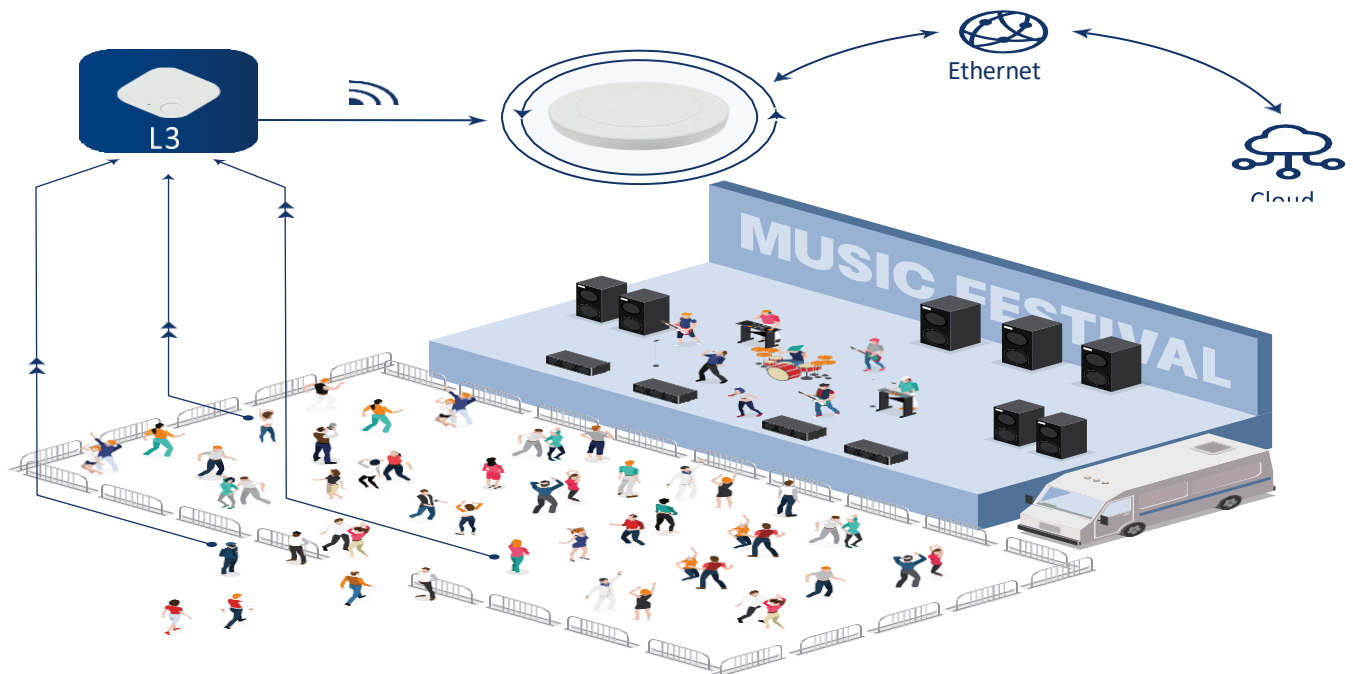
Product parameters	
Chip	Dialog DA14*series
Bluetooth protocol	BLE4.2
Battery	CR2032
Duration	1 year
Operating voltage	3.0V
Transmission distance	120M
Antenna	PCBonboard
Waterproof gradation	IP5X
Overall dimensions	38mm*38mm*6.5mm (L*W*H)
Weight (including battery)	About 8.3g
Color	White

SCENARIO APPLICATIONS: -

1. Workflow optimization: In conjunction with the G3 gateway to achieve rapid positioning of workers, it can reduce path finding time, and ensure normal work of personnel based on the wearer's activity trajectory and status.
2. Personnel safety management: It is widely used in the management of audiences at concerts, sports competitions, exhibitions, etc. The organizer distributes L3 to the audience on site. Combined with the digital map, the flow of people in each area can be clearly known by the organizer. Security personnel can be reasonably mobilized to avoid accidents, ensuring the safety of the audience and the smooth progress of the event.
3. Intelligent office: Combined with the geofence function, access permissions can be set for different areas. Space usage can be known, and office area can be reasonably planed. With the G3 gateway, a personnel tracking system can be built to respond to emergencies, such as when a fire occurs, it can formulate a rescue plan based on the location information of personnel on each floor and provide a basis for whether the personnel will reach the safe area later.

GAO Tek G3: -

G3 gateway is a Bluetooth low-power gateway for the detection and data acquisition of BLE devices. It connects the network through Ethernet and transmits data to help users quickly access the cloud server, avoiding the security and privacy problems caused by data flow. The G3 gateway is designed to help users quickly achieve high-value location-based ser- vices and achieve special equipment for personnel or item positioning based on Bluetooth tags. It can be widely used in warehousing, medical, retail, and industrial applications to reduce costs and increase efficiency.
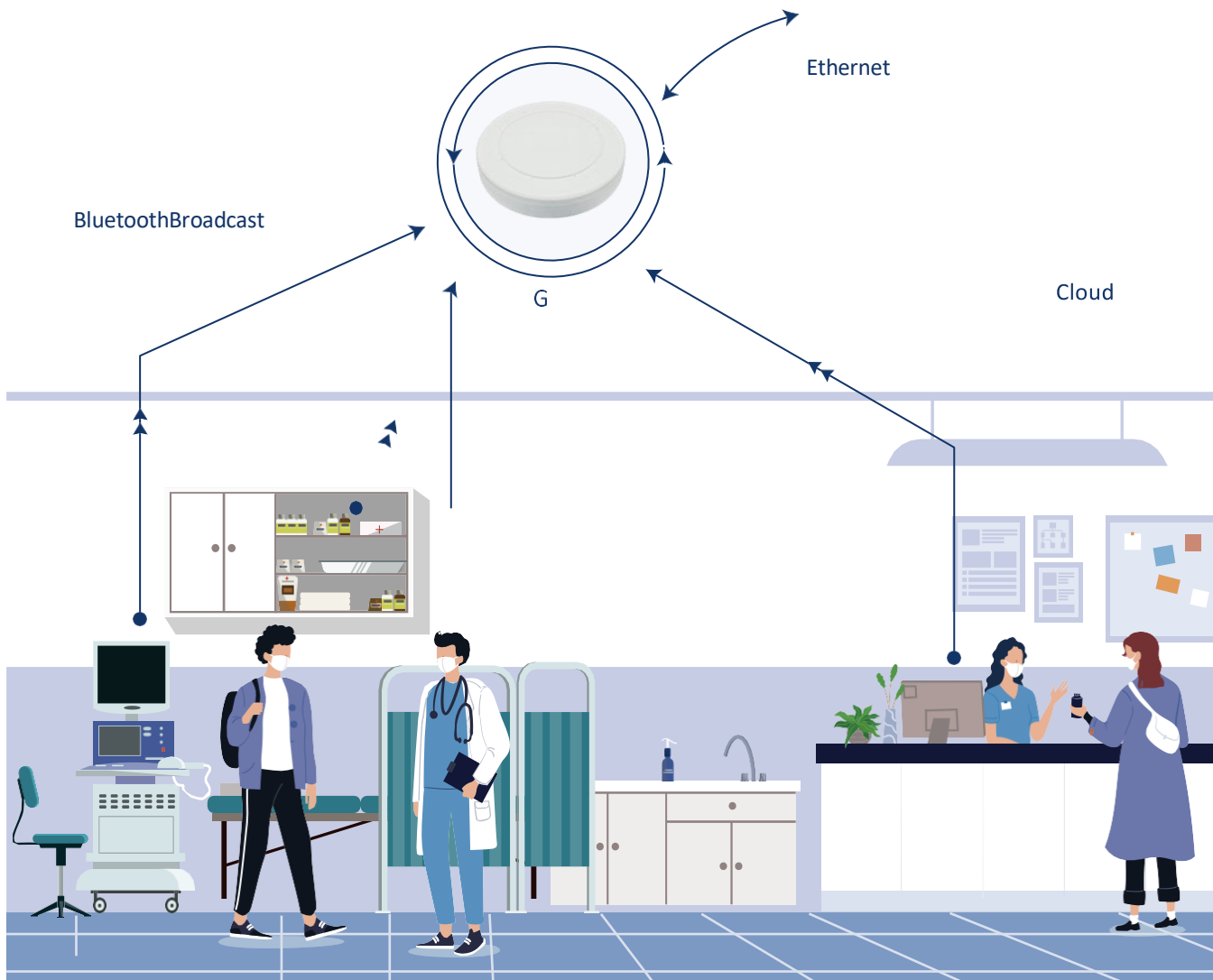
Product parameters	
Chip	Dialog DA14 * series
Bluetooth protocol	BLE4.2
Power supply mode	Adapter
Duration	No standby limit
Operating voltage	DC5V-1A
Transmission distance	100M
Antenna	PCB onboard
Waterproof gradation	IP53
Overall dimensions	168mm*52mm (Φ*H)
Weight (including battery)	约210g
Color	White
Accessories	Adapter, Screw
Power supply scheme	Ethernet powered, IEEE 802.3af POE compliant
Operating temperature	-20°C~60°C
Operating humidity	Not more than 90 percent
Installation method	Lock screws (ceiling)

SCENARIO APPLICATIONS: -

1. Monitor and manage BLE Bluetooth devices and their wireless broadcast signals within signal coverage.

2. Parsing and identifying the data of BLE Bluetooth devices. 3.Used in Bluetooth indoor positioning system as a relay.

4.Collect or collect Bluetooth sensor data information (such as temperature and humidity, illumination, CO_2 concentration, etc.), issued instructions (switches, etc.) to the sensor.

Ethernet

BluetoothBroadcast

G

Cloud

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