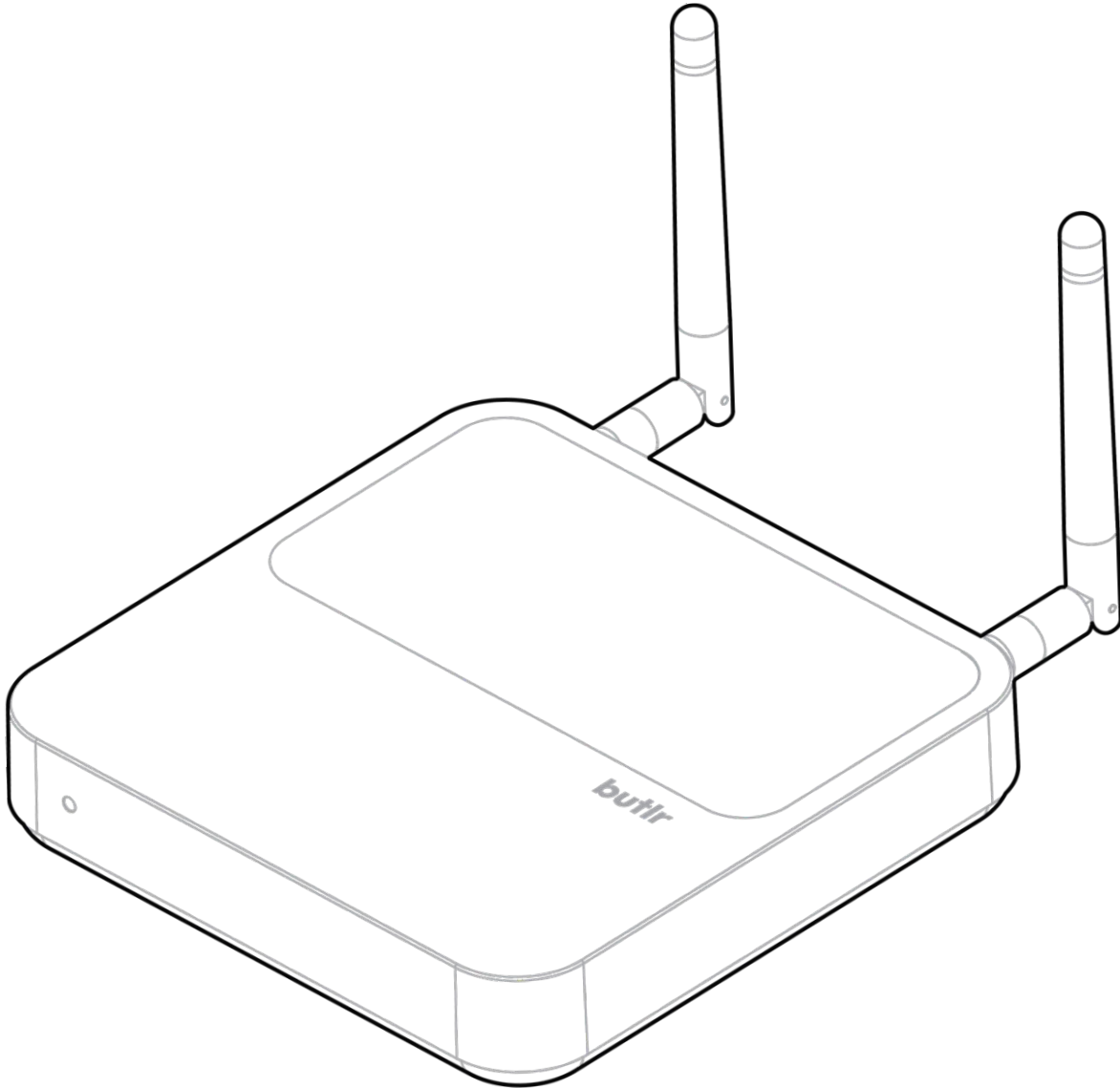




Hive 2 Datasheet

Hive 2

Model Number: GWDSRKWF
Dimensions: 5.3 x 5.3 x 1.1 in (135 x 135 x 27 mm)
Enclosure Material: ABS, Aluminum

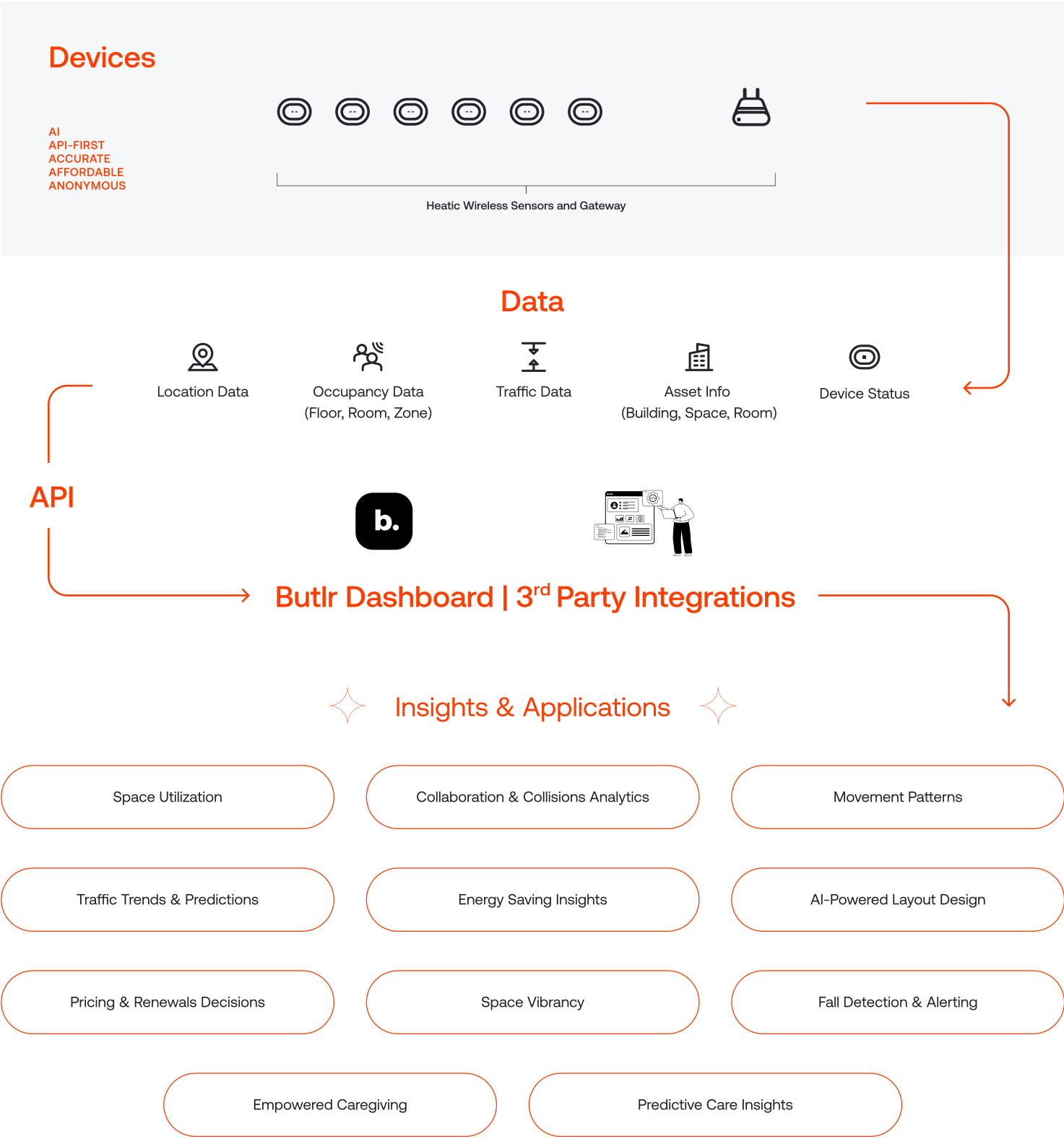


With protective cover on

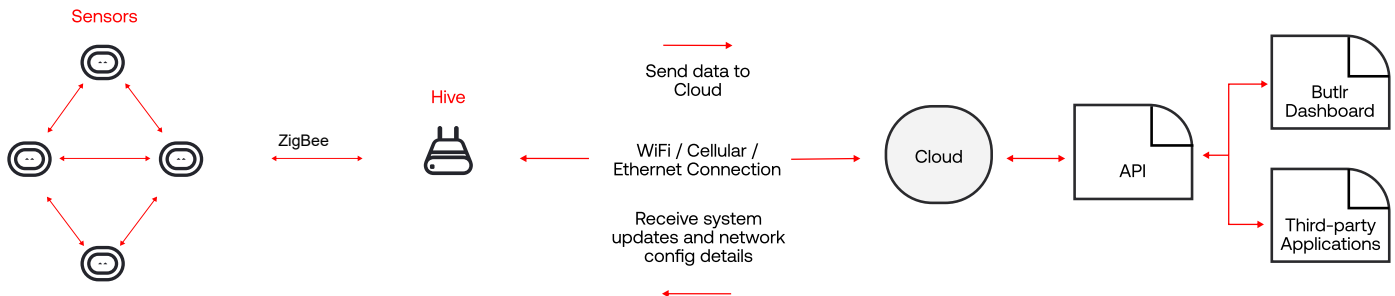
SPECIFICATIONS

Sensor Power Supply	Weight	Network Connection
3.0 A DC power supply, 12V Barrel Jack (2.5mm x 5.5mm OD) 120-240 V AC Wall Power, PoE/PoE+(IEEE 802.3af/at standard)	384g	WiFi: 2.4 GHz and 5.0 GHz IEEE 802.11b/g/n/ac wireless LAN Ethernet: Gigabit Ethernet (GbE)
Operating System	Operating Temp. Range	Operating R.H. Range
Linux	0°F to 104°F (0°C to 40°C)	5% to 90% noncondensing
Configuration Interface	Maximum Number of Sensors	Warranty
4.5 inch capacitive touch screen	12	Active Subscription Based Warranty
Security and Privacy		Regulatory
Data encrypted in transit (TLS 1.2) and at rest (AES256) SAML Authentication via Auth0 TIER certified data centers Annual internal audit security assessments Annual external penetration tests No personally identifiable data collected SOC2 Type II		USA: FCC ID, FCC sDoc, California Prop65 Canada: IC, IC VOC EU: RED, RoHs, WEEE, UKCA Other: TELEC (Japan), IMDA (Singapore), RCM (Australia), WPC (India), KC (South Korea)

Platform Overview



System Overview

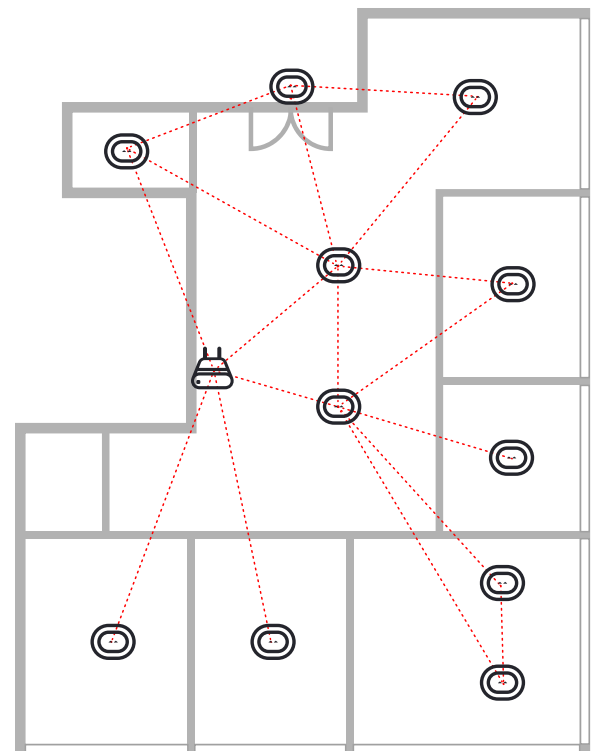


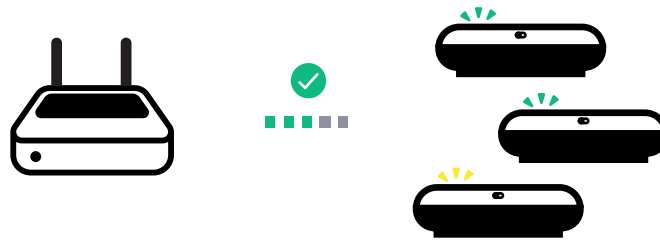
Mesh Network

Heatic Sensors and Hives form a mesh network. The system works best when the distance between devices (from Hive to Sensors or from one Sensor to another) is less than 30 feet (10 meters), this greatly depends on what other devices are working on the 2.4GHz WiFi band in the area.

Device Group

To achieve the best real-time performance, each Hive should not be connected to more than 12 sensors. Specifically, the frame rate limit per device group is 36 frames per second (FPS). Traffic sensors run at 8 FPS, while Presence sensors run at 3 FPS. We recommend grouping devices based on proximity.



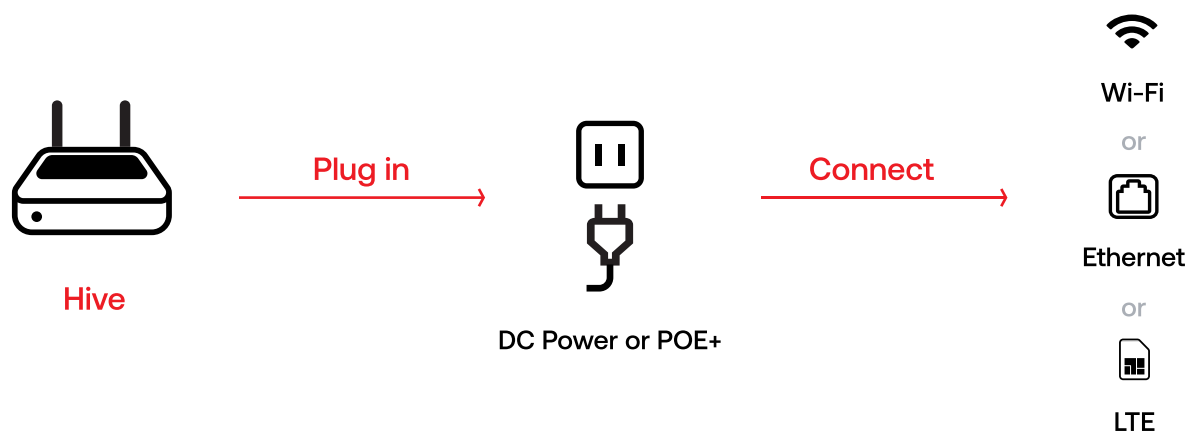


Device Pairing and Configuration

Butlr utilizes a low-power mesh network to facilitate communication between the Hive and Sensors. The system operates in a master-slave configuration, where the Hive acts as the master and the Sensors as the slaves. During the pairing process, devices first identify others within the same network, then pair and establish connections. Once pairing is complete, all devices transition to normal data transfer mode.

Each sensor can be paired with a Hive that shares the same Network ID, transmitting data to the cloud through the Hive. Follow the Hive UI instructions for pairing. For remote pairing and configuration, contact your Butlr representative.

Internet and Power Options



Hardware Overview



Adjustable Mounting Fixtures

Hive 2 features an extendable back mounting plates with keyhole slots for easy wall mounting. Additionally, magnets can be attached to the back for mounting on magnetic surfaces.



Mounting plates extended
for wall mounting



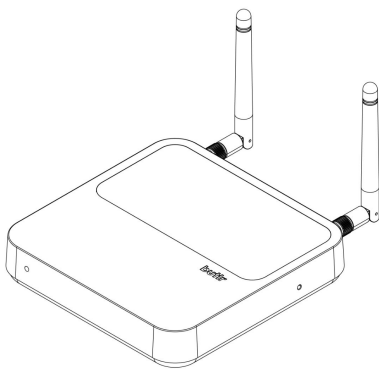
Magnets for magnetic surfaces

Tamper-Proof Cover

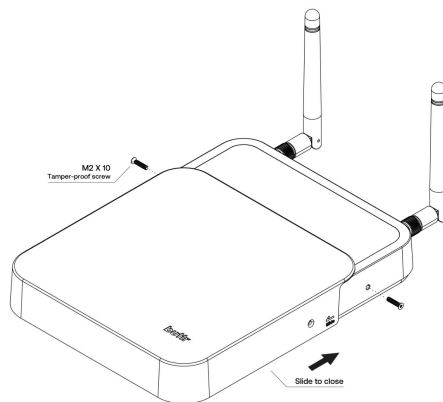
Hive 2 is designed with a tamper-proof cover featuring secure screws, preventing unauthorized access. For added data security, customers can also request a lockable RJ45 Port protector to be shipped with the product.



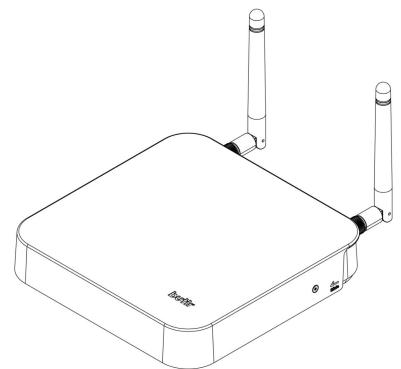
Assembly



01



02



03



Thank you.

Contact us

Have questions about the Butlr People Sensing Platform?

Please contact us at support@butlr.io or
submit a form via our website www.butlr.com or
visit our Learning Center at <https://support.butlr.io>

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butlr.com

ISED RSS warning

This device complies with Innovation, Science and Economic Development Canada Compliance licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique

Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISED Radiation Exposure Statement:

This equipment complies with ISED RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC exposition aux radiations:

Cet équipement est conforme avec ISED les limites d'exposition aux rayonnements définies pour un contrôlé environnement.

Cet émetteur ne doit pas être co-localisés ou fonctionner en conjonction avec une autre antenne ou émetteur. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur & votre corps.

5 GHz band (W52/53): Indoor use only.

Bande 5 GHz (W52/53) : utilisation en intérieur uniquement.

FCC statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.