

B-ware™ Cellular HiveHub™



The **B-ware™ Cellular HiveHub™** communications gateway is a turnkey solution that enables remote and automatic monitoring of your beehive monitors and other sensors. The flexible system architecture of the **B-ware™** solution allows ready adaptation to future technology while maximizing the life of all assets deployed.

Benefits of the **B-ware™ Cellular HiveHub™** include:

- Remote communication of all bee yard hive monitor data, allowing remote analysis of data without visiting the site. Greatly facilitate bee yard optimization and advanced hive maintenance planning.
- Real time alerts from monitors allowing rapid response to undesired bee yard events such as wildlife activity or theft.
- Modular architecture allowing maximum adaptability of communications technology, battery maintenance, and integration of future monitors and sensors

Future technology and advanced features supported by the modular design of the **B-ware™ HiveHub™** include:

- High quality outdoor day/night vision camera for bee yard monitoring
- Hive internal temperature & humidity sensor
- Site weather measurement and recording

Beehive Monitoring System

Solutionbee delivers the highest quality beehive monitoring system in the industry. Our reliable, user-friendly solutions enable both hobbyist and commercial beekeepers alike to optimize beekeeping operations.

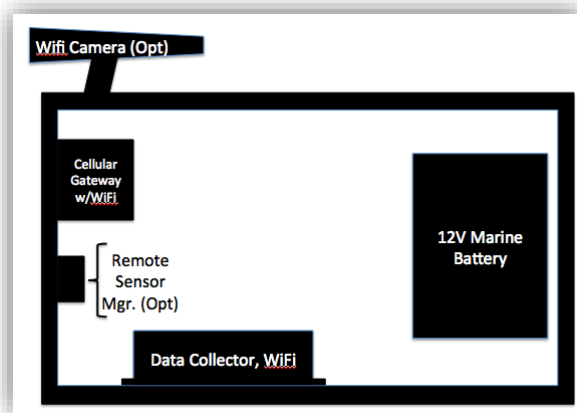
Our dedicated support team stands ready to assist in the set-up, maintenance, and use of the system to ensure you realize maximum value from your investment.



SOLUTIONBee
REMOTE READING SOLUTIONS

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The **B-ware™ HiveHub™** components are industrial grade, ensuring a long service life in realistic field conditions. All components are assembled into a sturdy modified bee hive enclosure which blends seamlessly into the bee yard environment. Enclosures may be painted or marked by the bee keeper as desired with no impact on solution warranty. **HiveHub™** is a one-stop communications gateway for bee yards. The solution provides automated hive monitor data collection with remote connectivity of all beekeeper devices via a field hardened WiFi.



Component List:

B-Ware WiFi Data Collector	12V High capacity Marine Battery (optional)
Cellular WiFi Gateway	12V Solar panel (optional)
Hive enclosure & cabling	Remote Sensor Manager (future, optional)

B-ware™ Cellular HiveHub™



Technical Specifications:

Operating Temperature Range	-5F to 140F (-20C to 60C)*
Marine Battery Life	Dependent on number of attached devices
Marine Battery Capacity	90 A-hours
Data Collector reception radius	100ft (30m)
Max # of Hive Monitors read by Data Coll.	90
WiFi reception radius	100ft (30m)
WiFi Wireless Network	WiFi 802.11 b/g/n, security WPA/WPA2
Cellular Technology (Verizon CDMA)	4G LTE, 3G
Cellular Technology (ATT GSM)	4G LTE, 3G, 2G EDGE, GSM/GPRS
SIM embodiment	Micro-SIM

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	Models		
	HH-c10	HH-c20	HH-c30
Verizon 4G LTE, 3G connectivity	✓		
AT&T 4G LTE, 3G, 2G connectivity		✓	-
GSM Global connectivity	-		✓
WiFi Network, WiFi 802.11 b/g/n	✓	✓	✓
Marine Battery included	HH-c10M	HH-c20M	HH-c30M
Marine Battery and Solar Cell included	HH-c10MS	HH-c20MS	HH-c30MS
Mar Batt, Solar Cell, Camera included	HH-c10MSC	HH-c20MSC	HH-c30MSC
Mar Batt, Sol Cell, Cam and Remote Sensor Mgr included	HH-c10MSCR	HH-c20MSCR	HH-c30MSCR

Notes: Connectivity requires a data plan from a cellular provider. Solutionbee offers services to assist in the selection of the optimal data plan, and in configuration of the B-Ware solution to work with the chosen provider's cellular service. A quality marine grade battery is recommended for best results.

