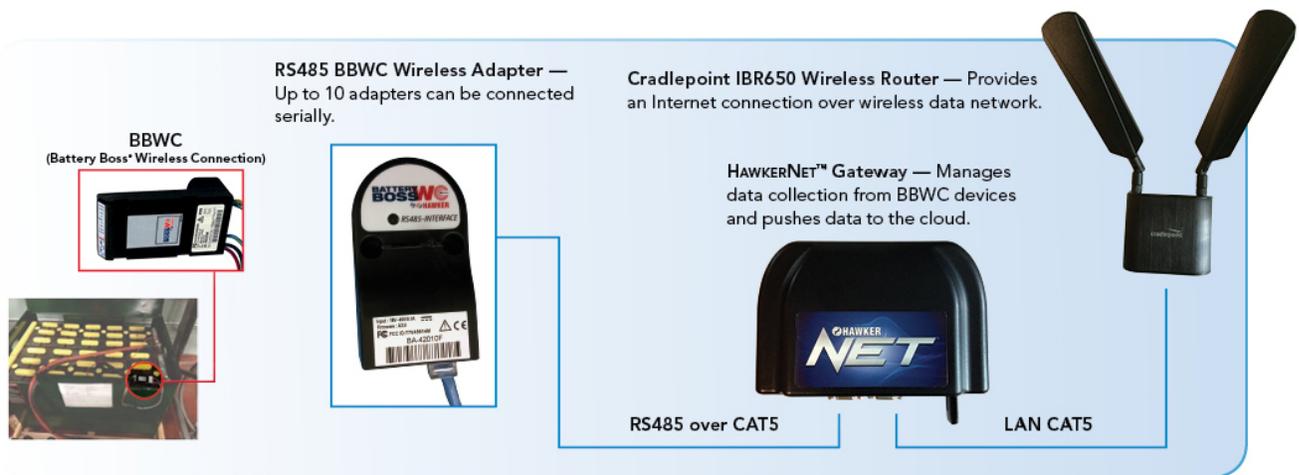


APPLICATION GUIDE



1. Determine how many RS485 BBWC Wireless Adapters are needed.

- Best place to capture BBWC data is the charging area(s) as batteries will be sitting for a period of time at least once a day.
- At least one adapter should be placed in each charging area. Each adapter can easily pick up BBWC's 25ft. in each direction. If there are questions you can do a wireless site survey using a black BBWC USB key and BBWC Report software. In Measures mode the software has a signal strength meter, by moving around the charging area you can see the signal strength in different spots.
- Each HAWKER-NET KIT includes 2 RS485 BBWC Wireless Adapters. Additional adapters can be added to the order.



2. Find a place to secure the HawkerNet Gateway.

- The Gateway requires 120V AC for power.
- There are 2 RS485 ports on the Gateway to connect RS485 BBWC Wireless Adapters. The adapters can be daisy chained. Each chain will support no more than 10 BBWC Wireless adapters and a total maximum 330ft. of CAT5 cable.
- The Gateway has key holes and is wall or shelf mountable. Best to mount in a location which will prevent tampering.

3. Connect the Gateway to cellular data or local area network.

- a) If using a Hawker provided IBR650 Cradlepoint Wireless Router, find a secure place to mount the router. The router includes a bracket for wall or shelf mounting and requires 120V AC for power. The wireless router is connected to the Gateway by CAT 5 cable up to 330ft. long.
- b) The IBR650 Cradlepoint Wireless Router has better signal strength than a cell phone. Even if your cell phone gets poor or no service inside a customer's facility, the router most likely be able to get an adequate signal.
- c) If using another wireless router or hot spot, refer to provider's connection instructions.
- d) If connecting to the customer's network, the Gateway requires a wired LAN connection. Obtain network settings from the customer's IT department.

4. Review with the customer.

- a) Make sure the customer understands where and how devices are to be mounted.
- b) Arrange for any infrastructure changes that are needed (Ethernet drops, 120V outlets, CAT 5 cables).
- c) If the customer opts to use their own network for internet access, meet with IT staff to discuss gateway settings.



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