



# BGX220P Wireless Gecko Bluetooth Xpress Module Data Sheet



The BGX220P is a wireless cable replacement module that eliminates Bluetooth firmware development complexity with a serial interface that can operate as a raw data stream or control the device through a abstracted command API. The BGX220P can facilitate a device-to-device cable replacement link or communicate with mobile devices through the Xpress Bluetooth mobile library. The device integrates a Bluetooth 5.2 compliant stack to future-proof applications as Bluetooth 5.2 adoption increases.

BGX220P modules are a full solution that comes with fully-upgradeable, robust software stacks, world-wide regulatory certifications, and support that will minimize and simplify the engineering and development of your end-products helping to accelerate their time-to-market.

The BGX220P is intended for a broad range of applications, including:

- Health, sports, and wellness devices
- Industrial, home, and building automation
- Smart phone, tablet, and PC accessories

#### KEY FEATURES

- Bluetooth 5.2 Technologies
- Bluetooth Low Energy
- Built-in antenna
- Up to 8 dBm TX power
- -98.9 dBm BLE RX sensitivity at 1 Mbps
- 8 GPIO pins
- I2C master interface
- Input pin event monitoring and response
- 12.9 mm x 15.0 mm

