

Open Health Band

Introduction

The Open Health Band (OHB) uses Bluetooth Low Energy (BLE) to send data to its connected clients. The clients can be Android or iOS applications or any BLE Client hardware. OHB follows the standards set by the Bluetooth Special Interest Group (Bluetooth SIG) for transmitting this data.

OHB uses Generic Attribute Profile (GATT) specifications to send data to its clients.

GATT Specifications: <https://www.bluetooth.com/specifications/gatt/>

GATT Services: <https://www.bluetooth.com/specifications/gatt/services/>

GATT Characteristics: <https://www.bluetooth.com/specifications/gatt/characteristics/>

Currently, OHB has the following GATT Services and Characteristics programmed

- Device Information
 - Model Number String
 - Manufacturer Name String
- Battery Service
 - Battery Level
- Heart Rate
 - Heart Rate Measurement
 - Body Sensor Location
- Health Thermometer
 - Temperature Measurement
 - Temperature Type

GATT Services and Characteristics

Device Information Service

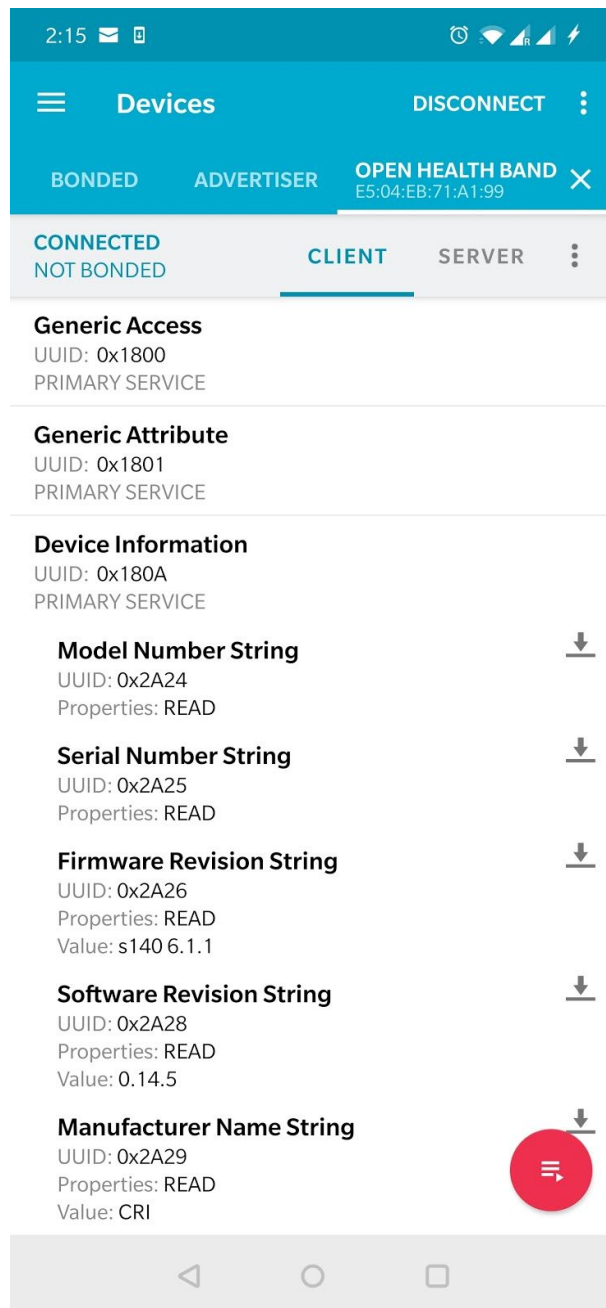
https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Services/org.bluetooth.service.device_information.xml

Model Number String Characteristic

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Characteristics/org.bluetooth.characteristic.model_number_string.xml

Manufacturer Name String Characteristic

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Characteristics/org.bluetooth.characteristic.manufacturer_name_string.xml

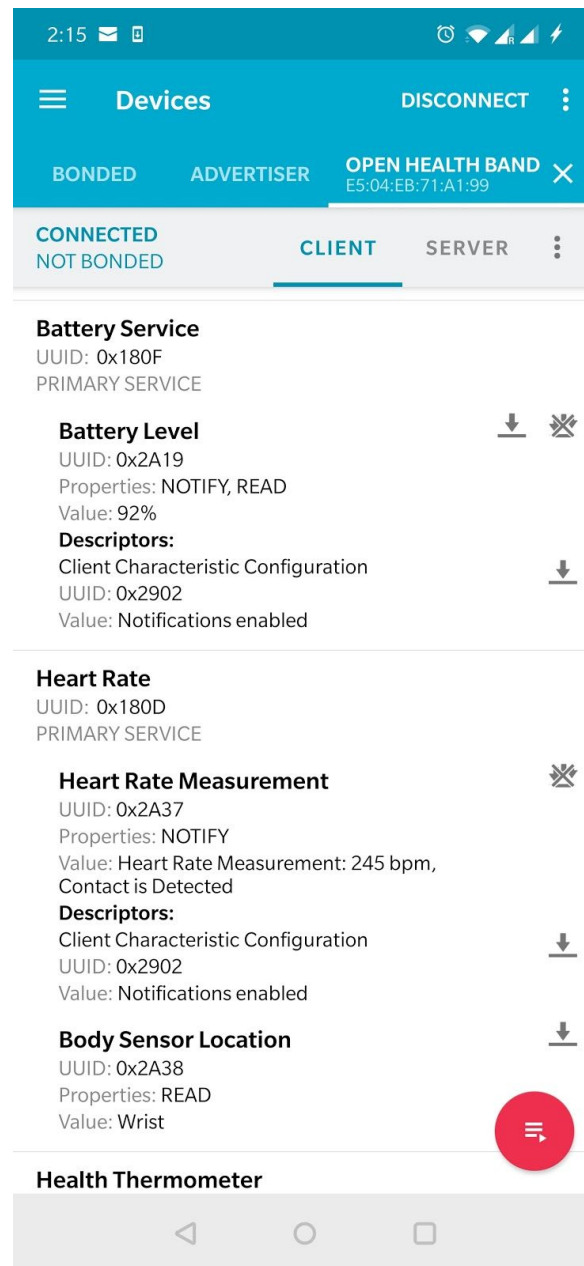


Battery Service

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Services/org.bluetooth.service.battery_service.xml

Battery Level Characteristic

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Characteristics/org.bluetooth.characteristic.battery_level.xml



Heart Rate Service

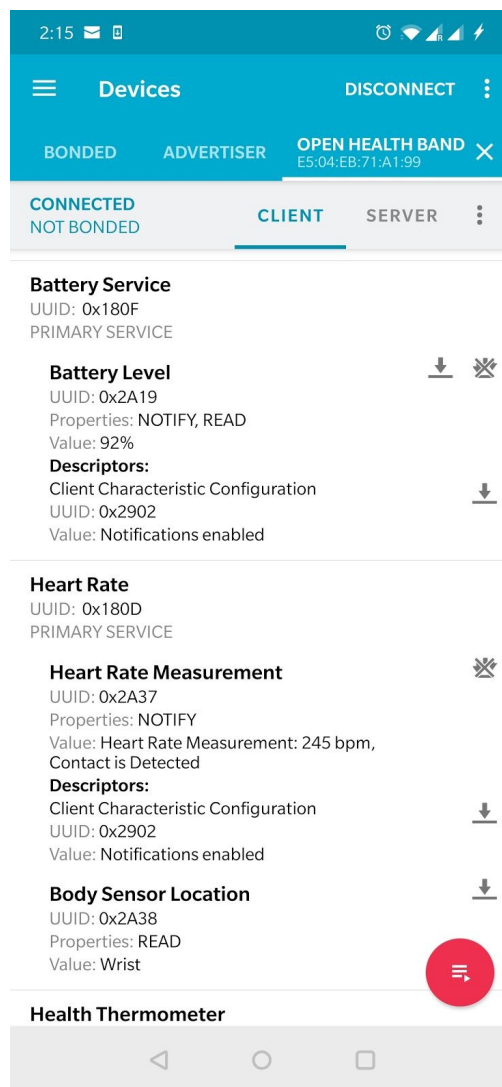
https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Services/org.bluetooth.service.heart_rate.xml

Heart Rate Measurement Characteristic

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Characteristics/org.bluetooth.characteristic.heart_rate_measurement.xml

Body Sensor Location Characteristic

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Characteristics/org.bluetooth.characteristic.body_sensor_location.xml



Health Thermometer Service

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Services/org.bluetooth.service.health_thermometer.xml

Temperature Measurement Characteristic

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Characteristics/org.bluetooth.characteristic.temperature_measurement.xml

Temperature Type Characteristic

https://www.bluetooth.com/wp-content/uploads/Sitecore-Media-Library/Gatt/Xml/Characteristics/org.bluetooth.characteristic.temperature_type.xml

