

# Communication and Data Transfer Protocol

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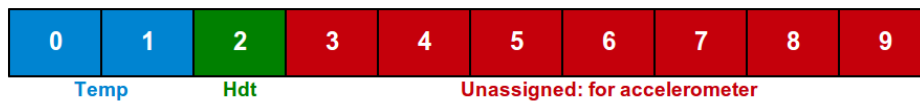
The data logger works in 2 modes:

**Streaming Mode:** board is linked to computer and data is streamed up to the computer directly.

**Standalone Mode:** board is not connected and stores data in EEPROM. The data is later transferred to the computer.

## 1 Streaming Mode

- Every period, the board will send a packet of data to the computer.
- Each packet is 10 bytes long.
- The first 2 bytes will contain temperature data, and the third byte will contain humidity data. The rest will contain accelerometer data but not yet specifically defined.



## 2 Standalone Mode

- The EEPROM data will all be uploaded as a single chunk.
- There are 32,000 bytes to be received when this occurs.
- The first 2 bytes will contain how much data there is.