Subject: Weather sensor card
Posted by BobSmith on Sun, 12 Apr 2020 01:00:34 GMT
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Build a weather sensor card.
The card should be able to report the temperature, humidity, barometric pressure, and ambient light intensity at least once a second. Candidate sensors include:

- hih6130 humidity and temp
- sht15 humidity and temp
- BMP088 barometer
- MPL3115 altitude/pressure
- HIH-4030 humidity - analog out
- HTU21 - humidity and temp

An I2C interface might be the easiest to implement given the high number of chips. No Verilog should be required and the host driver should be fairly simple.