



Application Note: OP-AN-004

Application Note for Sensirion SHT71

Device: Openpicus Flyport

IDE version: 2.1 or greater

External libs: SHT.c; SHT.h

Description:

the app interfaces a Sensirion SHT71 temperature/humidity sensor. The data read by the sensor is displayed in the webserver page.

Connections:

Sensor Power supply: +5V

Flyport D1Out -> CLK

Flyport D2Out -> DATA

Libray usage:

once included the files SHT.c and SHT.h, the SHT.h must be included in the files that uses the library with the #include "SHT.h" directive.

External libs commands:

Command	Description
SensorInit();	Initializes the communication and resets the sensor.
SHTRead(float *temp, float *truehumid)	Reads the temperature and humidity values from the sensor and put them in the <i>temp</i> and <i>truehumid</i> parameters.