XC3700 Digital Temperature Sensor Module

The XC3700 Digital Temperature Sensor Module is based on the DS18B20 digital temperature sensor IC and uses the OneWire protocol, even allowing multiple devices to be used on the same IO pin.

Under Arduino, the 'OneWire' library can be used to interact with the module. More information on this library can be found at https://www.pjrc.com/teensy/td_libs_OneWire.html. The library can be installed through the Arduino Library Manager by searching for 'OneWire', or by downloading from https://github.com/PaulStoffregen/OneWire. The example file 'DS18x20_Temperature' is a good starting point.

To connect to an Arduino, wire '-' to GND, the middle '+' pin to 5V and the 'S' pin to a digital pin (D10 in the example code, but this can be changed).

See the datasheet for more information about the DS18B20 IC.