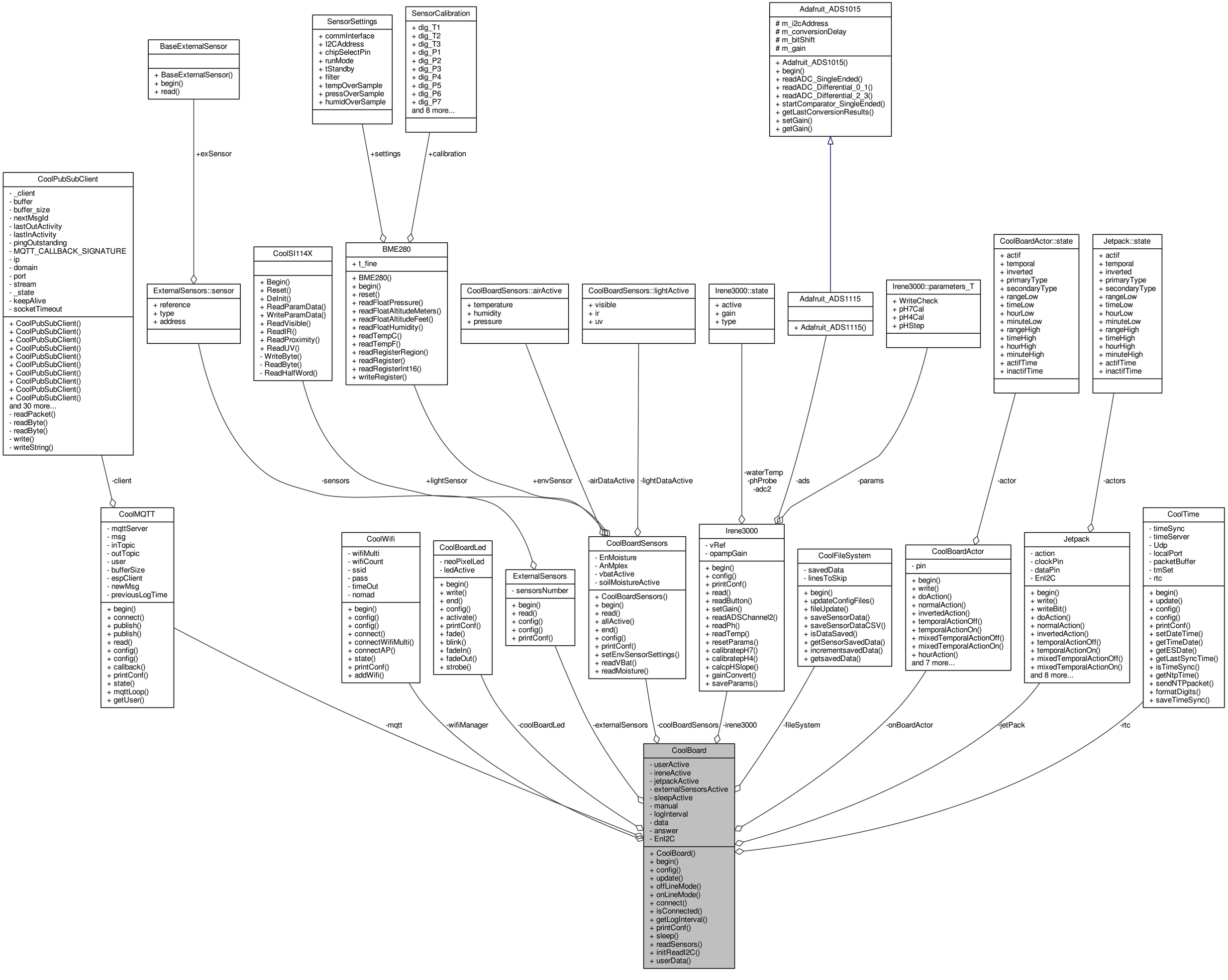
BaseExternalSensor
+ BaseExternalSensor()
+ begin()
+ read()
SensorSettings
+ commInterface
+ I2CAddress
+ chipSelectPin
+ runMode
+ tStandby
+ filter
+ tempOverSample
+ pressOverSample
+ humidOverSample
SensorCalibration
+ dig_T1
+ dig_T2
+ dig_T3
+ dig_P1
+ dig_P2
+ dig_P3
+ dig_P4
+ dig_P5
+ dig_P6
+ dig_P7
and 8 more...
Adafruit_ADS1015
m_i2cAddress
m_conversionDelay
m_bitShift
m_gain
+ Adafruit_ADS1015()
+ begin()
+ readADC_SingleEnded()
+ readADC_Differential_0_1()
+ readADC_Differential_2_3()
+ startComparator_SingleEnded()
+ getLastConversionResults()
+ setGain()
+ getGain()
+exSensor
+settings
+calibration
CoolPubSubClient
- _client
- buffer
- buffer_size
- nextMsgId
- lastOutActivity
- lastInActivity
- pingOutstanding
- MQTT_CALLBACK_SIGNATURE
- ip
- domain
- port
- stream
- _state
- keepAlive
- socketTimeout
+ CoolPubSubClient()
+ CoolPubSubClient()
+ CoolPubSubClient()
+ CoolPubSubClient()
+ CoolPubSubClient()
+ CoolPubSubClient()
+ CoolPubSubClient()
+ CoolPubSubClient()
+ CoolPubSubClient()
+ CoolPubSubClient()
and 30 more...
- readPacket()
- readByte()
- readByte()
- write()
- writeString()
CoolSI114X
+ Begin()
+ Reset()
+ DeInit()
+ ReadParamData()
+ WriteParamData()
+ ReadVisible()
+ ReadIR()
+ ReadProximity()
+ ReadUV()
- WriteByte()
- ReadByte()
- ReadHalfWord()
BME280
+ t_fine
+ BME280()
+ begin()
+ reset()
+ readFloatPressure()
+ readFloatAltitudeMeters()
+ readFloatAltitudeFeet()
+ readFloatHumidity()
+ readTempC()
+ readTempF()
+ readRegisterRegion()
+ readRegister()
+ readRegisterInt16()
+ writeRegister()
ExternalSensors::sensor
+ reference
+ type
+ address
CoolBoardSensors::airActive
+ temperature
+ humidity
+ pressure
CoolBoardSensors::lightActive
+ visible
+ ir
+ uv
Irene3000::state
+ active
+ gain
+ type
Adafruit_ADS1115
+ Adafruit_ADS1115()
Irene3000::parameters_T
+ WriteCheck
+ pH7Cal
+ pH4Cal
+ pHStep
CoolBoardActor::state
+ actif
+ temporal
+ inverted
+ primaryType
+ secondaryType
+ rangeLow
+ timeLow
+ hourLow
+ minuteLow
+ rangeHigh
+ timeHigh
+ hourHigh
+ minuteHigh
+ actifTime
+ inactifTime
Jetpack::state
+ actif
+ temporal
+ inverted
+ primaryType
+ secondaryType
+ rangeLow
+ timeLow
+ hourLow
+ minuteLow
+ rangeHigh
+ timeHigh
+ hourHigh
+ minuteHigh
+ actifTime
+ inactifTime
-client
-sensors
+lightSensor
+envSensor
-airDataActive
-lightDataActive
-waterTemp
-phProbe
-adc2
-ads
-params
-actor
-actors
CoolMQTT
- mqttServer
- msg
- inTopic
- outTopic
- user
- bufferSize
- espClient
- newMsg
- previousLogTime
+ begin()
+ connect()
+ publish()
+ publish()
+ read()
+ config()
+ config()
+ callback()
+ printConf()
+ state()
+ mqttLoop()
+ getUser()
CoolWifi
- wifiMulti
- wifiCount
- ssid
- pass
- timeOut
- nomad
+ begin()
+ config()
+ config()
+ connect()
+ connectWifiMulti()
+ connectAP()
+ state()
+ printConf()
+ addWifi()
CoolBoardLed
- neoPixelLed
- ledActive
+ begin()
+ write()
+ end()
+ config()
+ activate()
+ printConf()
+ fade()
+ blink()
+ fadeIn()
+ fadeOut()
+ strobe()
ExternalSensors
- sensorsNumber
+ begin()
+ read()
+ config()
+ config()
+ printConf()
CoolBoardSensors
- EnMoisture
- AnMplex
- vbatActive
- soilMoistureActive
+ CoolBoardSensors()
+ begin()
+ read()
+ allActive()
+ end()
+ config()
+ printConf()
+ setEnvSensorSettings()
+ readVBat()
+ readMoisture()
Irene3000
- vRef
- opampGain
+ begin()
+ config()
+ printConf()
+ read()
+ readButton()
+ setGain()
+ readADSChannel2()
+ readPh()
+ readTemp()
+ resetParams()
+ calibratepH7()
+ calibratepH4()
+ calcpHSlope()
+ gainConvert()
+ saveParams()
CoolFileSystem
- savedData
- linesToSkip
+ begin()
+ updateConfigFiles()
+ fileUpdate()
+ saveSensorData()
+ saveSensorDataCSV()
+ isDataSaved()
+ getSensorSavedData()
+ incrementsavedData()
+ getsavedData()
CoolBoardActor
- pin
+ begin()
+ write()
+ doAction()
+ normalAction()
+ invertedAction()
+ temporalActionOff()
+ temporalActionOn()
+ mixedTemporalActionOff()
+ mixedTemporalActionOn()
+ hourAction()
and 7 more...
Jetpack
- action
- clockPin
- dataPin
- EnI2C
+ begin()
+ write()
+ writeBit()
+ doAction()
+ normalAction()
+ invertedAction()
+ temporalActionOff()
+ temporalActionOn()
+ mixedTemporalActionOff()
+ mixedTemporalActionOn()
and 8 more...
CoolTime
- timeSync
- timeServer
- Udp
- localPort
- packetBuffer
- tmSet
- rtc
+ begin()
+ update()
+ config()
+ config()
+ printConf()
+ setDateTime()
+ getTimeDate()
+ getESDate()
+ getLastSyncTime()
+ isTimeSync()
+ getNtpTime()
+ sendNTPpacket()
+ formatDigits()
+ saveTimeSync()
-mqtt
-wifiManager
-coolBoardLed
-externalSensors
-coolBoardSensors
-irene3000
-fileSystem
-onBoardActor
-jetPack
-rtc
CoolBoard
- userActive
- ireneActive
- jetpackActive
- externalSensorsActive
- sleepActive
- manual
- logInterval
- data
- answer
- EnI2C
+ CoolBoard()
+ begin()
+ config()
+ update()
+ offLineMode()
+ onLineMode()
+ connect()
+ isConnected()
+ getLogInterval()
+ printConf()
+ sleep()
+ readSensors()
+ initReadI2C()
+ userData()