

```
typedef std::chrono::time_point<std::chrono::high_resolution_clock> highResTime;
```

ILogger

dataMap std::map<highResTime, T>
lastTime highResTime

IO

alive bool
enabled bool

ISensor

dataLog ILogger<T>
sensorName std::string
hZ int

IAAnalogSensor

channel int

BmsData

chargeCurrentLimit float
dischargeCurrentLimit float
temperature float
stateOfCharge float
cellResistance float
packResistance float

ICanSensor

id int

IDigitalSensor

port int

ITask

id int
hZ int
sensor std::shared_ptr<ISensor>
nextExecTime highResTime

Scheduler

tasks std::priority_queue<tasks>
running bool

ThreadPool

workers std::vector<std::thread>
tasks std::queue<std::function<void()>>
queueMutex std::mutex
condition std::condition_variable
stop bool

Accelerometer

value float

BrakePressure

pressure float

ShockPot

distance float
shock_location WHEEL_LOCATION

SteeringColumn

rotation_angle float
zero_offset float

Temperature

temp float
number int

ShockPot

speed float
radius float
wheel_location WHEEL_LOCATION

Bms

data BmsData

Imd

imd_status bool
running_flag bool