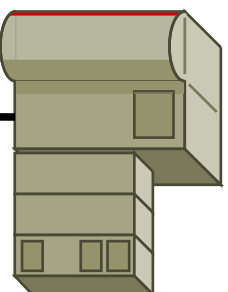
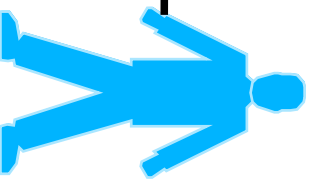


icub Brain



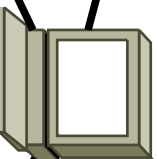
icub



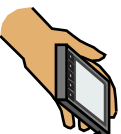
Kinect



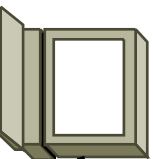
Yarp device driver



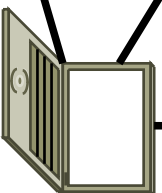
Wiimote

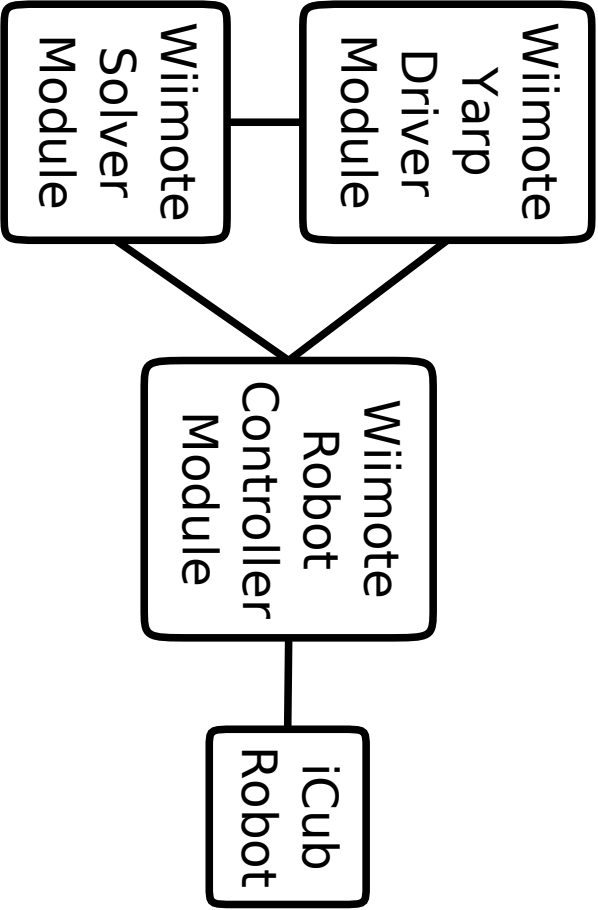


Interaction
Modules



Chico3





Kinectic
Yarp
Driver
Module

Kinect
Robot
Controller
Module

iCub
Robot

RFModule

```
+updateThread()  
+configureThread()  
+addPort()  
+sendDataToPort()  
+getDataFromPort()
```

TypedReaderCallback

```
+onPortEvent()
```



Device Interface Driver

```
+getDataFromPort()  
+sendDataToPort()
```

Device Interface Driver

```
+getEventFromDevice()  
+sendEventToDevice()
```

TypedReaderCallback

+onPortEvent()

iCubGeneric

#DeviceData

+startRobot()

+stopRobot()

+updateDeviceData()

+updateRobotState()

RFModule

+updateThread()

+configureThread()

+addPort()

+sendDataToPort()

+getDataFromPort()

motorController

+moveRobot(id, angle, speed)

+convertDeviceData()

Device Interface Driver

+getDataFromPort()

+sendDataToPort()

+update()

iKinController

+moveRobot(x, y, z,)

+convertDeviceData()