





Kinectic
Yarp
Driver
Module

Kinect
Robot
Controller
Module

iCub
Robot

RFModule

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

TypedReaderCallback

```
+onPortEvent()
```

PortThread

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

DeviceInterfaceDriver

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

TypedReaderCallback

+onPortEvent ()

iCubGeneric

#DeviceData

+startRobot ()

+stopRobot ()

+updateDeviceData ()

+updateRobotState ()

RFModule

+updateThread ()

+configureThread ()

+addPort ()

+sendDataToPort ()

+getDataFromPort ()

motorController

+moveRobot (id, angle, speed)

+convertDeviceData ()

PortThread

+getDataFromPort ()

+sendDataToPort ()

+update ()

iKinController

+moveRobot (x, y, z,)

+convertDeviceData ()