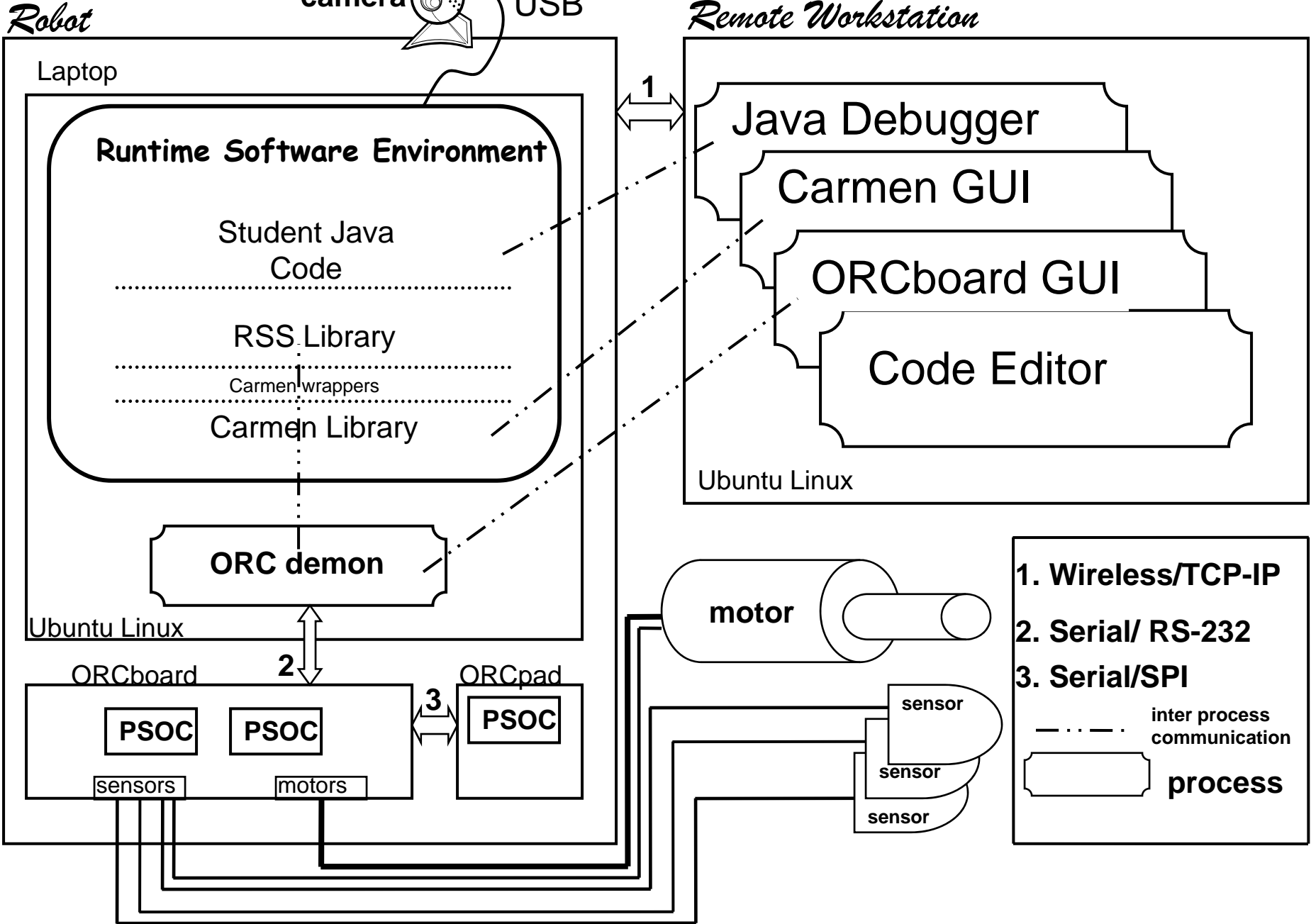


RSS Robot and System Development Block Diagram

camera  USB



Robot

Remote Workstation

Laptop

Runtime Software Environment

Student Java Code

RSS Library

Carmen wrappers

Carmen Library

ORC demon

Ubuntu Linux

ORCboard

PSOC

PSOC

sensors

motors

ORCpad

PSOC

motor

sensor

sensor

sensor

Java Debugger

Carmen GUI

ORCboard GUI

Code Editor

Ubuntu Linux

1. Wireless/TCP-IP

2. Serial/ RS-232

3. Serial/SPI

inter process communication

process