Brix0: Visual Navigation

Eth0: Master

Eth1:

Usb1: Camera forward

Usb2: Camera backward  
Usb3: Camera left

Usb4: Camera right

Usb5: Camera on USB 2.0

Usb6: Camera on USB 2.0

WiFi: ground station

Brix1: Main Navigation/odometry computation/inputs from the user

Eth: Brix2

Usb1: IMU microstrain

Usb2: Master

Usb3: Encoder from arduino mega

Usb4: RF Arduino Uno

Usb5: BT wireless keyboard and/or mouse

Usb6:

BT: wheel encoders Bluetooth

WiFi: internet

Brix2: Lidar Navigation

Eth: Brix1

Usb1: Hokuyo UTG

Usb2: Hokuyo UTM

Usb3: Hokuyo UTM

Usb4: Velodyne

Usb5: Arduino

Usb6: Arduino

Usb7: Arduino

Usb8: Master

WiFi:

**Rpi: Low level controller**

**Eth: Left open for user connections**

**Usb1: To brix0**

**Usb2: To brix1**

**Usb3: To brix2**

**Usb4: Arduino USB**

**WiFi:**