

Common Components

The components below are designed to be identical, line for line, to their duplicates on other hardware in the system

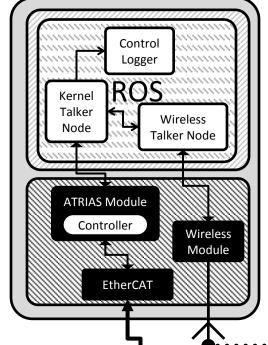


Note: "Wireless Talker Node", "Kernel Talker Node", "Wireless Module", and "EtherCAT" will be very similar to their duplicates

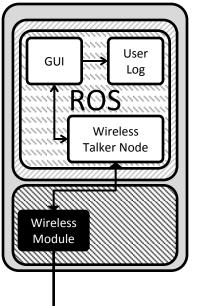
XPC Target Machine



RTAI-Enabled Control Computer



Mobile User Interface



Legend

Independent Windows Environment

Linux Environment

Hardware

"User Space"

Robot Operating System (ROS) Environment

ROS Node

"Kernel Space"

Kernel Module

Robot Sensors and Actuators

C Function **EtherCAT**

General

Windows

Application

Connection

ROS Topic

Kernel-level Communication

WIFI Connection

Physical Switch

Stand-Alone System

