

Project: Avionics Ethernet Switch



AimValley Solution

- AimOS-Robo based solution internal CPU
- AimOS drivers ported to existing hardware and BSP
- Late hardware, use of Broadcom reference design boards
- RoboOS improvements to AimOS-Robo
- Integration and testing on customer hardware

Key technologies:

- Broadcom switch
- Robo-OS, AimOS-Robo

Customer Objectives

- Software integration of an Ethernet Switch in the NextGen avionics system
- Some use case available, no clear feature content
- Compatibility with frozen hardware design and existing BSP
- Robust, no opportunity for upgrades or extensions of features → reporting and monitoring required
- Time restricted delivery schedule

Results & Added Value

Efficiency	Re-use IP reduced time-to-market and development cost with 95%
Successful	Turn-key delivery of binary images
Partnership	Close collaboration from concept to product
Innovative	Adding monitoring functions to the smart managed software