

Project: Ethernet Switch for Vehicle Gateway



AimValley Solution

- Standard edition AimOS solution delivered as binary
- AimOS drivers ported to existing hardware and BSP
- Hardware limitations required
- Custom driver to create virtual interface for management and customer traffic
- Management interface performance optimizations

Key technologies:

- Broadcom switch, Gentoo Linux
- Kernel network driver development, IMP (management/CPU port)
- Switch I2C configuration channel

Customer Objectives

- Gateway for various devices and customers
- Compatibility with available designed hardware and BSP
- Software should manage switch autonomously without external input, but with possibility to actively manage the switch
- Cost efficiency
- 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 installable executable and configuration
Partnership	Customization in close collaboration with customer
Innovative	Alternative routing of user traffic through management port