AimValley

AimOS Ethernet Feature List

AimOS Benefits

Source code available with perpetual license
Low cost for L2+ applications
✔ One time start fee
✔ No per unit royalty
✔ Affordable yearly maintenance
Field proven, also on AimValley products
Customization by customer, AimValley or jointly
No silicon vendor lock-in

All required support available in one team!
✔ Hardware Development
✔ FPGA Development
✔ Systems Engineering
✔ System Verification & Test
✔ Compliance Testing
✔ Factory Introduction
✔ Life-Cycle-Managment

AimOS standard edition features

✔ User Management
✔ Command Line Interface (CLI)
✔ Web UI
✔ Rest API
✔ L2FDB Management
✔ Event Logging
✔ RSYSLOG
✔ Port Management
✔ Static IP Routing (L3)
✔ DHCP server
✔ Self Test
✔ System Inventory
✔ Port mirroring – one-to-one and many-to-one
✔ Port-based Access Control (EAPOL v2)
✔ Ingress and Egress Rate Limiting
✔ Remote monitoring (RMON, RFC2819)
✔ CPU Storm Control
✔ 802.3ad Link Aggregation
✔ Rapid Spanning Tree Protocol (RSTP)
✔ VLAN Management
✔ Configuration Management

AimOS add-on features

These features can be added to a custom version
✔ QoS based on IEEE 802.1P priority, VLAN-ID, DSCP
✔ IGMP snooping v1/v2/Querier/Fast Leave
✔ MLD RFC3810, RFC2710
✔ IEEE 1588v2 (1/2-step BC and TC)
✔ SNMP v1/v2/v3
✔ MRP

BCM9556160 demo features

✔ User Management
✔ CLI
✔ L2FDB Management
✔ DHCP server
✔ 802.1x Port-based Access Control
✔ Ingress and Egress Rate Limiting
✔ CPU Storm Control
✔ VLAN Management
✔ Configuration Management
✔ QoS based on IEEE 802.1P priority, VLAN-ID, DSCP

Delivering Solutions for a Connected World

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