

EBV and Broadcom Partner for Broadcom Switch Solutions

AimValley provides support and solutions for Broadcom-based switch designs.

- RoboSwitch
- StrataConnect
- StrataXGS

Engineering, hardware and software support.

Depending on the ASIC; unmanaged, web-managed, fully managed solutions are available.

Our Support

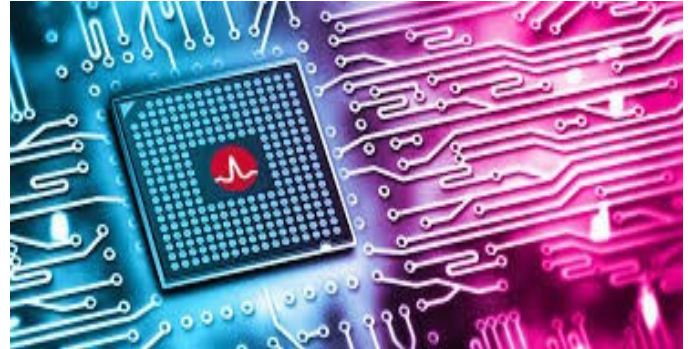
AimValley has build a partnership with Broadcom and EBV, working in close co-operation with Broadcom during the development of various Broadcom switch based products. AimValley is recognized for its Broadcom experience and development support.

AimValley can provide the necessary support to develop your idea from concept to product. Our system engineers support you to design the required features into your product and turn your concept into a viable product. Our hardware and software engineers support you with the necessary expertise and building blocks to shorten the development cycle and build the designed product within time and budget.

Our support models are flexible and range from onsite consultancy to turnkey system design including manufacturing.

Our Solutions

AimValley works closely together with its customers to deliver the desired solution, whether it is the design of a complete product or only part of the development. A hardened version of the Broadcom unmanaged and web-managed software solutions for reliable field deployment is available, called AimOS-Robo.



We also provide a more advanced and flexible software stack, called AimOS-Ethernet, that can be tailored to meet your requirements.

AimOS is used and developed for our embedded carrier grade switches. It is a Field Proven Solution, with its first deployment in 2003, and designed to fully support the joint development and integration of various parts and protocols.

Features of AimOS standard edition:

- User Management
- Command Line Interface (CLI)
- L2 FDB Management
- Event Logging
- Port Management
- Port Mirroring – One to one and many to one
- 802.1x Port-based Access Control
- Ingress and Egress Rate Limiting
- Remote Monitoring (RMON)
- CPU Storm Control
- 802.3ad Link Aggregation
- Rapid Spanning Tree Protocol (RSTP)
- VLAN Management
- Configuration Management

Additional features such as PTP, SNMP and IGMP are available in the extended and fully customized edition.

Having the right partner, makes the difference!

Our Expertise

Systems Engineering: if you only have a rough idea or high level feature list, AimValley supports you to define the system architecture and details the requirements to secure that our solution will support your business objectives.

Software: using state-of-the-art development tools, the team is geared up to engineer software for extremely reliable systems. Our team of 30 experts has experience in real-time embedded systems, low level drivers, operating interfaces and networking applications.
Re-usability of IP and proven developed switch experience, improves our development cycle and reduces costs considerably.

Electronics Design: the team covers the entire range of skills and expertise to realize electronic products. With experience in high-speed analog and digital circuits, back-plane design and environmental testing (EMC, temperature, shock & vibration, etc.). All our designs have a proven, negligible field return rate. AimValley designs enclosures for electronic systems. We translate functional system requirements into reproducible and cost-effective solutions that include demands for ergonomics, safety, EMI, regulatory requirements and robustness.

ASIC and FPGA: through partnership programs with major FPGA vendors, AimValley takes full advantage of technology and tooling, creating cost effective designs in both ASICs and FPGAs. Our team specializes in real-time processing and FPGA-Acceleration.

System Verification: seen from an end-user's perspective, meticulous attention is given to quality indicators as performance, reliability and stability.

Your Needs

Joint Development: achieving your goals requires you to constantly adapt to new technologies. Based on your requirements, we design solutions and ways to jointly implement them.

Tailor-Made Solutions: we collaborate with you to deliver the desired solution (complete product, or only part of the development).

Fast Track Development: taking advantage of re-usable designs and IP enables us to develop your solution on a fast track.

Innovative Solutions: AimValley is continuously looking for alternative and optimized ways of designing high-tech products, underpinned by an extensive patent library.

Phased Approach: our design process is structured to successfully take your product from concept to production and flexible enough to allow you to leverage any of our services on a stand-alone basis.

Certification: AimValley is experienced in certifying product and systems, such as EMC/ESD, CB and CE.

Life Cycle Management: we offer life cycle management for the design or product. This includes maintenance and component obsolescence management.

- Outstanding track record of on-time delivery.
- Best in Class Quality
- ISO9001 and ISO 14001, EcoVadis Platinum CSR

We take care of every step in your development process, either based on your requirements or as joint development project.