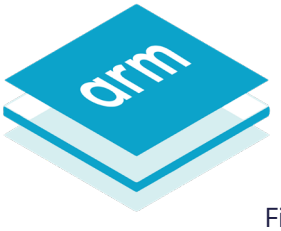
Arm® Silicon Ready Firmware

Empower your Arm® Devices with AMI Foundational Firmware



As an Arm® license partner, one of your main objectives is to bring your designs to the market as quickly and efficiently as possible. However, this process can be fraught with challenges, and one of the biggest hurdles you may encounter is in the development of firmware. Firmware is a critical component of your device, ensuring that it powers on, runs securely, and stays on during its lifecycle. Developing firmware that meets these requirements can be a complex and time-consuming task, but it is essential for the success of your device.

Common firmware development challenges can include:

- Lack of experience and expertise in firmware development, particularly for Arm® architectures.
- Limited access to reference code and tools, making it difficult to create a stable and secure firmware stack.
- Difficulty in keeping up with the rapid pace of innovation in the Arm® ecosystem, leading to obsolete firmware that does not support new features and capabilities.
- Limited resources and support, making it difficult for Arm® partners to get the help they need to develop high-quality firmware.
- Balancing customization and differentiation with adherence to standards and compatibility requirements.

To accelerate your time-to-market and ensure success, consider partnering with a firm that has extensive experience in firmware development in the Arm® ecosystem. This can help you develop your firmware efficiently and effectively, avoid common pitfalls, and ensure that your device performs at its best. An experienced partner can also provide ongoing support and guidance to help you succeed in the competitive Arm® marketplace.

Arm Firmware Capabilities

Arm® Firmware Overview

- Member of Arm® SystemReady Certification Program
- Active member of Arm® standardization working groups
  - *Base System Architecture / Server Base System Architecture*
  - *Base Boot Requirements*
  - *Base Boot Security Requirements*
  - *Server Base Manageability Requirements*

Arm® Support Services

- SOC Enablement
- Arm® SOC Firmware Boot Code Porting and Bring Up
- Debug and Triage of Issues
- ODM Ecosystem Management
- Product Lifecycle Services
- Open-Source Services

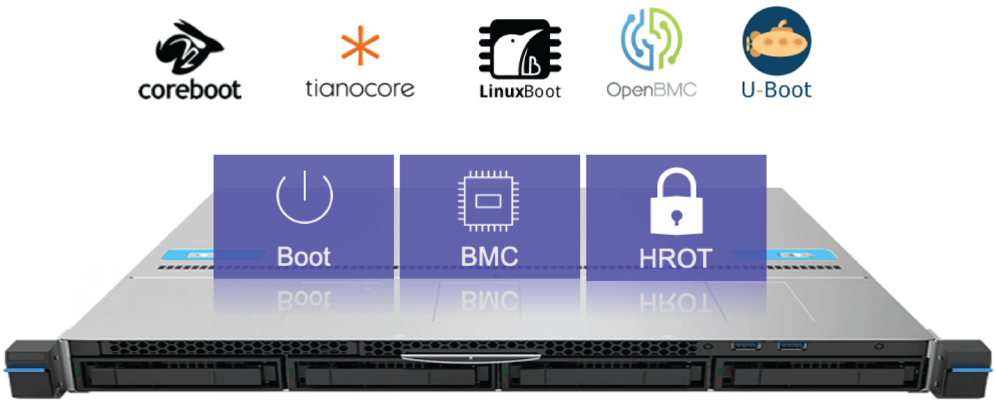
Market Solutions

- IoT / Industrial
- Cloud (CSP and Hyperscalers)
- Enterprise Datacenter
- Edge Computing

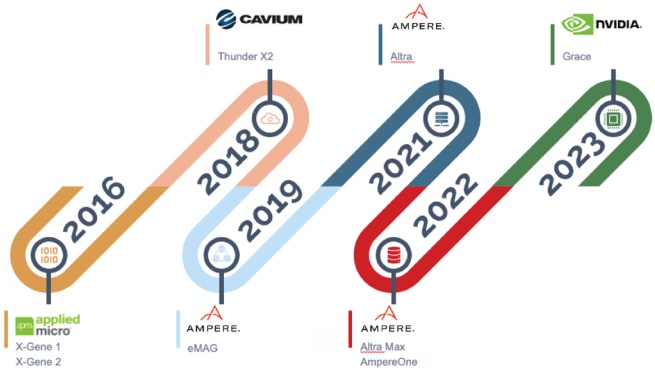
About AMI

AMI is a leading provider of BIOS, BMC, and HRoT (Hardware Root of Trust) firmware for the global compute industry. Our team of experienced firmware engineers has a deep understanding of the intricacies of BIOS, BMC, and HRoT firmware development and can help you design and develop firmware solutions for your devices. We have a proven track record of delivering high-quality firmware solutions that can help you optimize the performance and security of your devices. Whether you need custom firmware development or support and maintenance for existing firmware, AMI can provide the expertise and support you need.

To accelerate your time-to-market and ensure the success of your designs, consider partnering with a firm that has extensive experience in the Arm® ecosystem. An experienced partner such as AMI can provide ongoing support and guidance to help you succeed in the competitive Arm® marketplace.



An Experienced Partner in the Arm® Ecosystem



With decades of experience in x86 development, AMI® has been able to successfully translate its expertise into the realm of Arm-based CPUs. Through partnerships with leading Arm SoC providers, AMI has helped to bring a range of innovative and high-performance CPUs to market.

In addition to our technical expertise, AMI has established strong working relationships with ODM/OEMs/CSPs, enabling us to provide comprehensive support and guidance throughout the development and deployment of Arm-based solutions. Overall, AMI's long history of Arm development and partnership makes it a trusted and reliable partner for organizations seeking to bring Arm-based solutions to the server market.

For more information, please visit:

ami.com/arm-solutions/