ami | Remote BIOS™

Enterprise-wide Remote Client Management

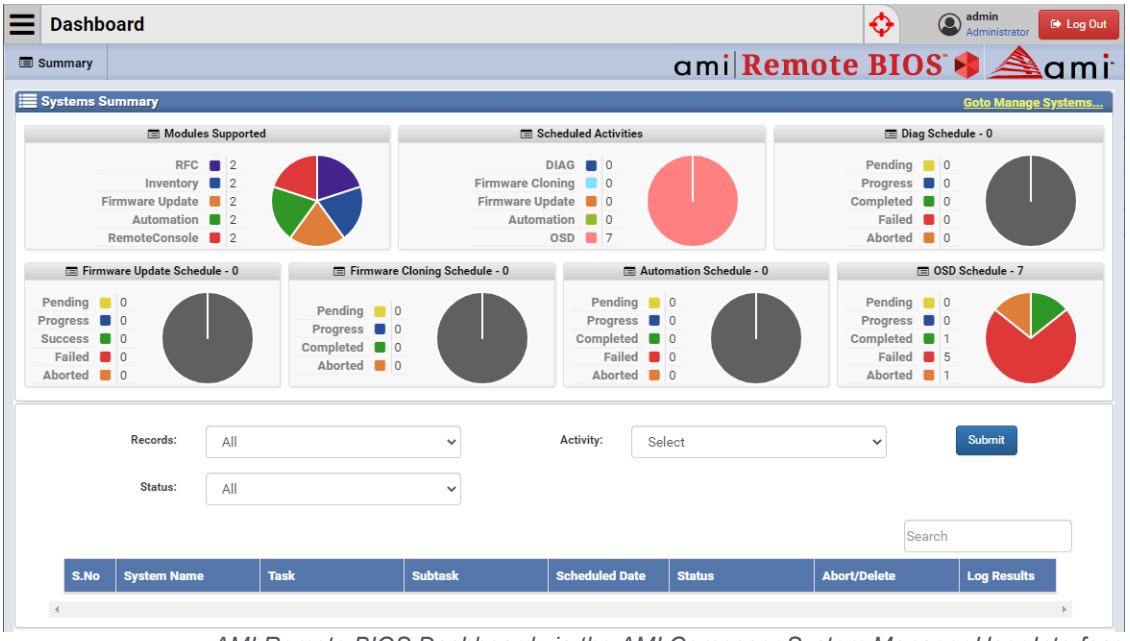
Features

- BMC-less Remote BIOS Management
- Secure Remote Firmware Update
- Remote Diagnostics
- Remote BIOS Configuration & Settings Cloning
- Remote Console
- System Inventory Information
- Pre-OS Remote Management
- Data Analytics and Reports
- Remote Automation
- Remote OS Deployment
- Secure shell provided for remote administrator scripting

Requirements

- UEFI Version 2.5 or newer
- PI Version 1.6 or newer
- UEFI Network Stack
- EFI System Partition*
- AMI Composer System Manager - Firmware Management Server version 2.1 or newer

*Valid only for AMI Remote BIOS agent installed via EFI binary



AMI Remote BIOS Dashboard via the AMI Composer System Manager User Interface

In a highly connected world, enterprise customers demand better platform management on currently shipping client platforms offered by OEMs and ODMs.

Client systems have limited remote management functionality, which typically requires an onboard BMC or an operating system to be fully installed and actively running. While a BMC offers a high level of platform management, it normally ships exclusively on server platforms.

Leveraging AMI's expertise in both UEFI BIOS and BMC firmware, AMI has developed a comprehensive management solution that uses the in-band network to perform all administration during pre-boot. This means that enterprise-wide remote client management can be included on shipping OEM/ODM client platforms without any hardware modifications.

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Quick Firmware Update

The ability to quickly deploy firmware updates and security patches throughout an enterprise is highly desirable. The AMI Remote BIOS solution allows

enterprise administrators to quickly update their organization's systems from a single location. This includes both security and maintenance updates. Firmware update policies can be defined and customized based on the requirements of the organization/enterprise it is deployed in by its system administrators. For example, pending firmware updates can be applied during a system reboot.

Remote Client BIOS Management

System administrators can remotely manage client BIOS settings from a single location, modifying groups of systems or individual systems without the need to physically visit each system.

Works with AMIDiag™ for UEFI

Diagnose a pre-OS hardware issue using AMIDiag for UEFI without having to leave the system administrator's desk.

System Inventory

Allows system administrators to collect the client system inventory details including, processor, memory, HDD, and PCIe devices. Also allows data analytics and reports with inventory data.

Remote Automation

Allows the System Admins/OEMs to execute custom pre-boots scripts like pre-boot security testing.

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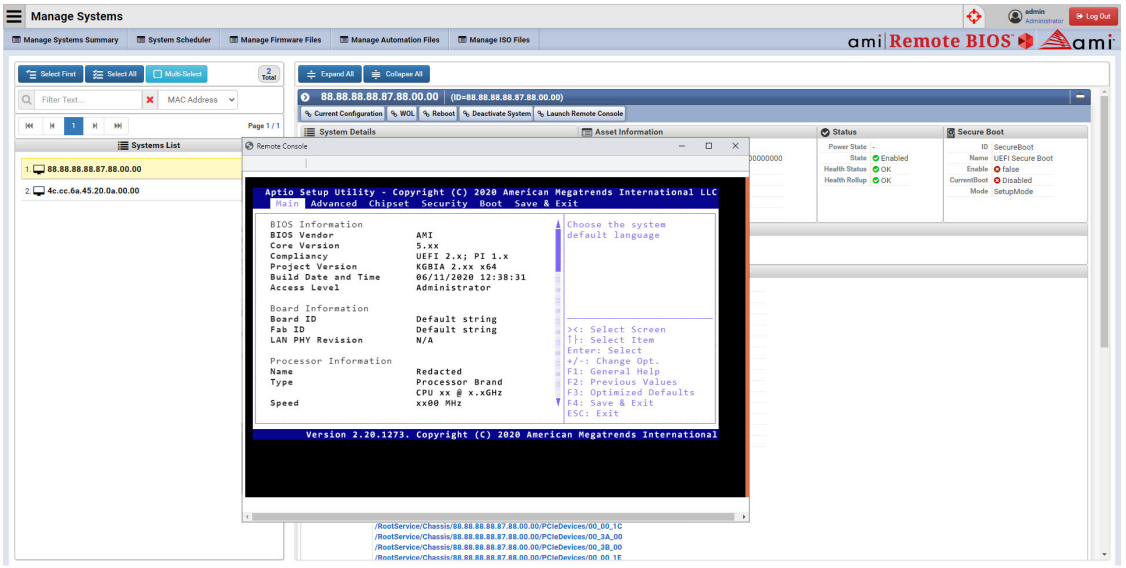
Fully Customizable Web Based UI

AMI provides a default web-based front-end that can be completely customized. Alternatively, OEMs can also build on top of standard Redfish interfaces to build custom tools.

Local Provisioning

For customers looking to do provisioning at the local console, AMI provides a brandable, highly graphical interface to handle all the features locally.



Centralized Management Server

AMI Composer is a centralized management server that can manage thousands of client systems that have the Remote BIOS agent installed. Has a feature rich management dashboard to manage scheduling, view reports and analytics.

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Remote Console

System administrators can remotely access the terminal of the Remote Pre-boot client over the network. System administrators can use Remote Console to manage the BIOS or automate via shell.

Remote OS Deployment

Perform unattended installation of different operating systems via ISO images hosted on the management server, including Microsoft® Windows® and Linux-based operating systems.

AMI Remote BIOS Agent

There are two ways to deploy the AMI Remote BIOS agent on the client platform. One way is by building the agent directly into the BIOS image via an Aptio eModule. The second way is to install the AMI Remote BIOS agent via an EFI binary. The features differ slightly depending on how the agent is deployed.

Feature	EFI Binary	Aptio eModule
Remote BIOS Configuration & Setting Cloning		✓
Full System Inventory		✓
BMC-less Remote BIOS management	✓	✓
Secure Remote Firmware Update	✓	✓
Remote Diagnostics	✓	✓
Remote Console	✓	✓
Remote OS Deployment	✓	✓
OEM Inventory Information	✓	✓
Pre-OS Remote Management	✓	✓
Data Analytics and Reports	✓	✓
Remote Automation	✓	✓

For more information, please visit:
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