Avago TECHNOLOGIES Release Notes: GCA: BIOS_MPT_GEN3_Phase16.0 - 8.37.00.00 BIOS

ReleaseOrder ID:	*SCGCQ01686040*
Headline:	*GCA: BIOS_MPT_GEN3_Phase16.0 - 8.37.00.00 BIOS*
Release Version:	*8.37.00.00*
UCM Project:	*BIOS_MPT_GEN3_Phase16.0*
UCM Stream:	*BIOS_MPT_GEN3_Phase16.0_Main_Dev*
Release Type:	*GCA*
State:	*Deployed*
Release Baseline:	*BIOS_MPT_GEN3_Phase16.0_Main_Dev_2018-04-05@ \SAS2*
Release Date:	*04-MAY-18*
Date Generated:	*May 09, 2018*

Release History

- **SCGCQ01674471 - BetaRelease: BIOS_MPT_GEN3_Phase16.0 - 8.36.03.00 BIOS**
- **SCGCQ01556594 - BetaRelease: BIOS_MPT_GEN3_Phase16.0 - 8.36.02.00 BIOS**
- **SCGCQ01514766 - Pre Alpha Release: BIOS_MPT_GEN3_Phase16.0 - 8.36.01.00 BIOS**

ReleaseOrder ID:	*SCGCQ01674471* Open In CQWeb
Headline:	*BetaRelease: BIOS_MPT_GEN3_Phase16.0 - 8.36.03.00 BIOS*
Release Version:	*8.36.03.00*
UCM Project:	*BIOS_MPT_GEN3_Phase16.0*
UCM Stream:	*BIOS_MPT_GEN3_Phase16.0_Main_Dev*
Release Type:	*Beta*
State:	*In_Review*
Release Baseline:	*BIOS_MPT_GEN3_Phase16.0_Main_Dev_2018-03-26@\SAS2*
Release Date:	*04-APR-18*
Date Generated:	*May 09, 2018*

Defects Fixed (1):

ID:	SCGCQ01625017
Headline:	OEM Specific Device ID changes
Description Of Change:	Device ID has been corrected to display information correctly.
Issue Description:	Incorrect OEM specific device id was causing wrong device information display in banner and CU
Steps To Reproduce:	Download rom file and reboot the system to notice incorrect OEM specific information displayed on the banner

ReleaseOrder ID:	*SCGCQ01556594* Open In CQWeb
Headline:	*BetaRelease: BIOS_MPT_GEN3_Phase16.0 - 8.36.02.00 BIOS*
Release Version:	*8.36.02.00*
UCM Project:	*BIOS_MPT_GEN3_Phase16.0*
UCM Stream:	*BIOS_MPT_GEN3_Phase16.0_Main_Dev*
Release Type:	*Beta*
State:	*In_Review*
Release Baseline:	*BIOS_MPT_GEN3_Phase16.0_Main_Dev_2018-01-09@\SAS2*
Release Date:	*09-FEB-18*
Date Generated:	*May 09, 2018*

Defects Fixed (1):

ID:	SCGCQ01534254
Headline:	Tape Drive should not be allowed to set as a boot device under CU
Description Of Change:	Check for device type before executing key press ALD+B or ALT+A in SAS Typologies. If the device type is sequential, then do nothing for these key presses.
Issue Description:	Tape drive is excluded from allowing preferred or alternate boot device setting.
Steps To Reproduce:	1. Flash Fury 3008 IT board with latest firmware, BIOS and UEFI driver. 2. Along with few SAS and SATA drives, connect a tape drive to the adapter under test. 3. Launch BIOS CU, go to SAS Topology screen and try to set tape drive as a preferred or alternative boot device.

Enhancements Implemented (1):

ID:	SCGCQ01524676
Headline:	Add new card support (PNP) in CU and Core BIOS.
Description Of Change:	Add new card support (PNP) in CU and Core BIOS.

ReleaseOrder ID:	*SCGCQ01514766* Open In CQWeb
Headline:	*Pre Alpha Release: BIOS_MPT_GEN3_Phase16.0 - 8.36.01.00 BIOS*
Release Version:	*8.36.01.00*
UCM Project:	*BIOS_MPT_GEN3_Phase16.0*
UCM Stream:	*BIOS_MPT_GEN3_Phase16.0_Main_Dev*
Release Type:	*Pre-Alpha*
State:	*In_Review*
Release Baseline:	*baseline:BIOS_MPT_GEN3_Phase16.0_Main_Dev_2017-11-24@\SAS2*
Release Date:	*18-DEC-17*
Date Generated:	*May 09, 2018*

Defects Fixed (2):

ID: SCGCQ01460405

Headline: BIOS POST displays duplicate entries of an HBA.

Description Of Change: Initially, BIOS populates all the adapters that are detected and later evaluates each adapter's configuration so that they will be removed or kept in the list based on their configurations. BIOS correctly identified the adapters that are to be removed but did not erase their entry which resulted in displaying wrong adapters and sometimes a duplicate entry. Fix is to erase the adapter entry which has to be removed from the list.

Issue Description: BIOS Post displays disabled adapters. The adapters are disabled in BIOS configuration utility. In some specific systems with specific system settings, there are instances where a duplicate adapter entry is displayed in POST.

Steps To Reproduce: Connect at least 3 controllers to a system. Disable some of them in CU. Observe in POST that disabled controllers are listed. Some time duplicate entry is observed.

ID: SCGCQ01445428 (Port Of Defect SCGCQ01379363)

Headline: OpROM POST display is incorrect when at least one HBA is disabled in configuration utility.

Description Of Change: OpROM displays POST information based on saved configurations. These configurations are read and updated if needed on every reboot. The settings were read from a HBA but were being written into first HBA that was detected instead of where it was read from. Change is to read and write into same HBA.

Issue Description: OpROM POST display contains disabled HBA information. Some HBA are disabled in configuration utility and PCI slots where these HBA are connected are disabled to load legacy OpROM. There is at least one HBA which is enabled and in boot order. These HBA are moved from other system. OpROM is expected to reconfigure the settings in new system on first boot and subsequent reboots should display correct information in POST.

Steps To Reproduce: 1. Connect 3 HBA to a system.
2. Disable 2 of them and keep one enabled. Make sure all 3 HBA are in boot order.
3. Save the changes.
4. Migrate all 3 HBA to another system in which PCI Slots can be enabled/disabled from loading legacy OpROM.
5. Disabled PCI Slots of HBA which were disabled in step 2.
6. Reboot system and observe that OpROM POST displays disabled HBA information in every reboots.

Enhancements Implemented (2):

ID: SCGCQ01510061

Headline: OEM specific Product Name updated.

Description Of Change: OEM specific Product Name updated in Core and CU.

ID: SCGCQ01513575 (Port Of EnhancementRequest SCGCQ01409760)

Headline: Suppresss certain objects for sequential devices in device properties.

Description Of Change: RAID Member, Serial Number, Disk Capacity, Format and verify options are suppressed for sequential devices. All other functionalities are unaffected.