

Platform Feature Support Matrix									
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[illegible]

## Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	HW & FW Compatibility												
	Without BMC												
	All platform listed in the "With BMC columns"	X12 3rd Generation Intel® Xeon® Scalable processors with Intel® C620 Series Chipsets	X12 Intel® Xeon® E-2300 Series	X13 4th/5th Generation Intel® Xeon® Scalable processors	H12 AMD EPYC	M12 AMD Ryzen™	H13 AMD EPYC H13 AMD Ryzen™	R12/R13 Ampere® Altra®	G1 CG1/C2 NVIDIA MGX™	Habana carrier board with Gaudi AI processors	X14 6th Generation Intel® Xeon® Scalable processors	H14 AMD EPYC	NVIDIA GB200
GetFirmwareInventoryInfo	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
ClearCMOS	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
[ BIOS Management ]													
GetBiosInfo	Yes for in-band No for OOB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
UpdateBios	Yes for in-band No for OOB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
GetDefaultBiosCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
GetCurrentBiosCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
ChangeBiosCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
LoadDefaultBiosCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
SetBiosPassword	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
GetDmInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
ChangeDmInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
EditDmInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
EraseOAKey	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
GetScpInfo	No	No	No	No	No	No	No	Yes for R12	No	No	No	No	No
UpdateScp	No	No	No	No	No	No	No	Yes for R12	No	No	No	No	No
GetFixedBootCfg	No	No	No	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No
ChangeFixedBootCfg	No	No	No	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No
GetBootOption	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes
SetBootOption	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes
SetHttpBoot	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
GetBiosPostCode	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
GetPostCodeLog	No	No	No	Yes	No	No	No	Yes	Yes	No	Yes	No	Yes
ClearPostCodeLog	No	No	No	Yes	No	No	No	Yes	Yes	No	Yes	No	Yes
SetBiosAction	No	No	No	No	No	No	No	No	No	No	No	No	No
[ BMC Management ]													
UpdateBmc	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GetBmcInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GetBmcCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes

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	All platform listed in the "With BMC columns"	X12 3rd Generation Intel® Xeon® Scalable processors with Intel® C620 Series Chipsets	X12 Intel® Xeon® E-2300 Series	X13 4th/5th Generation Intel® Xeon® Scalable processors	H12 AMD EPYC	M12 AMD Ryzen™	H13 AMD EPYC H13 AMD Ryzen™	R12/R13 Ampere® Altra®	G1 CG1/C2 NVIDIA MGX™	Habana carrier board with Gaudi AI processors	X14 6th Generation Intel® Xeon® Scalable processors	H14 AMD EPYC	NVIDIA GB200
ChangeBmcCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
DownloadBmcCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
UploadBmcCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
SetBmcPassword	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
GetKcsPriv	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
SetKcsPriv	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
LoadDefaultBmcCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
TimedBmcReset/BmcReset	No	No	Yes	Yes	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	Yes	No	Yes	No	Yes	Yes	No
GetBmcUserList	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
SetBmcUserList	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
GetBmcLANCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
ChangeBmcLANCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
RmcpManage	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
BootStrappingAccount	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
GetSessionInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
SessionManage	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BmcHostName	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
ManageRHI	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
SnmpManage	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
BmcWatchDog	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
BmcIPv6StaticRouteManage	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
[ System Event Log ]													
GetEventLog	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
ClearEventLog	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
GetMaintenEventLog	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
ClearMaintenEventLog	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
GetHostDump	No	Yes	Yes (Support BMC AST2600 only)	Yes	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	Yes	No	No	No	Yes	Yes	No
SetSELTTimeMode	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
[ Storage Management ]													

## Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	HW & FW Compatibility												
	Without BMC												
	All platform listed in the "With BMC columns"	X12 3rd Generation Intel® Xeon® Scalable processors with Intel® C620 Series Chipsets	X12 Intel® Xeon® E-2300 Series	X13 4th/5th Generation Intel® Xeon® Scalable processors	H12 AMD EPYC	M12 AMD Ryzen™	H13 AMD EPYC H13 AMD Ryzen™	R12/R13 Ampere® Altra®	G1 CG1/C2 NVIDIA MGX™	Habana carrier board with Gaudi AI processors	X14 6th Generation Intel® Xeon® Scalable processors	H14 AMD EPYC	NVIDIA GB200
GetRaidControllerInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
UpdateRaidController	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
GetRaidCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
ChangeRaidCfg	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
GetSataInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
GetNvmeInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
ControlNVMe	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
GetPMemInfo	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No
UpdatePMem	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No
GetVROCCfg	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No
ChangeVROCCfg	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No
GetSmartData	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	No	No
GetSasExpanderInfo	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
UpdateSasExpander	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
[ Power Management ]													
GetPsuInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
UpdatePsu	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
UpdatePsu with LCMC	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
GetPowerStatus	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
SetPowerAction	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
DcmiManage	No	Yes	Yes	Yes	Yes (Support --type STD_DCMI only)	Yes (Support --type STD_DCMI only)	Yes (Support --type STD_DCMI only)	No	Yes (Support --type STD_DCMI only)	Yes	No	No	No
PowerPolicy	No	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	No	No
GetAcpiPowerStatus	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
GetPsFruInfo	No	Yes	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes	No
GetAiomStandbyPower	No	No	No	No	No	No	No	No	No	No	Yes	No	No
SetAiomStandbyPower	No	No	No	No	No	No	No	No	No	No	Yes	No	No
[ PCIeSwitch Management ]													
GetPCleSwitchInfo	No	Yes(Support X12DSC-6 only)	No	Yes (Support system with PCIe switch chipset only)	Yes(Support H12DGQ-NT6 only)	No	No	No	No	No	No	No	No

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	Without BMC												
	All platform listed in the "With BMC columns"	X12 3rd Generation Intel® Xeon® Scalable processors with Intel® C620 Series Chipsets	X12 Intel® Xeon® E-2300 Series	X13 4th/5th Generation Intel® Xeon® Scalable processors	H12 AMD EPYC	M12 AMD Ryzen™	H13 AMD EPYC H13 AMD Ryzen™	R12/R13 Ampere® Altra®	G1 CG1/C2 NVIDIA MGX™	Habana carrier board with Gaudi AI processors	X14 6th Generation Intel® Xeon® Scalable processors	H14 AMD EPYC	NVIDIA GB200
UpdatePCleSwitch	No	Yes(Support X12DSC-6 only)	No	Yes (Support system with PCle switch chipset only)	Yes(Support H12DGQ-NT6 only)	No	No	No	No	No	No	No	No
[ Application ]													
RawCommand	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
GetUsbAccessMode	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
SetUsbAccessMode	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
KmsManage	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
RedfishAPI	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
RemoteConsole	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
Sol	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
RemoteExec	Yes for supported remote OS installed												
RemoteScreenshot	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
RemoteKeyboard	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
Shell	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Prompt	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
FindBmcDevices	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
FoundBmcDevices	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
GetUSBHostControllerInfo	No	No	No	No	No	No	No	No	No	No	Yes(Support system with ASMedia and Renesas chipset	No	No
UpdateUSBHostController	No	No	No	No	No	No	No	No	No	No	Yes(Support system with ASMedia and Renesas chipset	No	No
Ch	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
[ GPU Management ]													
GetGpuInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes
UpdateGpu	No	Yes	Yes	Yes	Yes (Support BMC AST2600 only)	Yes	Yes	No	No	No	Yes	Yes	Yes
DiagGpuStatus	No	No	No	No	Yes	No	Yes	No	No	No	No	Yes	No
GetGpuLog	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
GpuPowerManage	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No

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[ CPLD Management ]													
GetCpldInfo	No	Yes for RoT No for non-RoT	No	Yes	Yes for RoT No for non-RoT	No	Yes	No	No	Yes	Yes	Yes	Yes
UpdateCpld	No	Yes for RoT No for non-RoT	No	Yes	Yes for RoT No for non-RoT	No	Yes	No	No	Yes	Yes	Yes	Yes
GetSwitchboardCpldInfo	No	No	No	Yes for RoT No for non-RoT	No	No	Yes for RoT No for non-RoT	No	No	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No
UpdateSwitchboardCpld	No	No	No	Yes for RoT No for non-RoT	No	No	Yes for RoT No for non-RoT	No	No	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No
GetFanboardCpldInfo	No	No	No	Yes for RoT No for non-RoT	No	No	Yes for RoT No for non-RoT	No	No	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No
UpdateFanboardCpld	No	No	No	Yes for RoT No for non-RoT	No	No	Yes for RoT No for non-RoT	No	No	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No
GetBackplaneCpldInfo	No	Yes	No	Yes	Yes	No	Yes	No	No	No	Yes	Yes	No
UpdateBackplaneCpld	No	Yes	No	Yes	Yes	No	Yes	No	No	No	Yes	Yes	No
GetAipCpldInfo	No	No	No	No	No	No	No	No	No	Yes	No	No	No
UpdateAipCpld	No	No	No	No	No	No	No	No	No	Yes	No	No	No
GetAomboardCpldInfo	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No
UpdateAomboardCpld	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No
GetMiscCpldInfo	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No
UpdateMiscCpld	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No
GetTransitionboardCpldInfo	No	No	No	Yes	No	No	No	No	No	No	No	No	No
UpdateTransitionboardCpld	No	No	No	Yes	No	No	No	No	No	No	No	No	No
GetNicCpldInfo	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
UpdateNicCpld	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
GetMidplaneSbbCpldInfo	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
UpdateMidplaneSbbCpld	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
[ NIC Management ]													
GetAocNICInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
UpdateAocNIC <sup>1</sup>	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
[ Multi-Node Management ]													
GetTplnfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
ChangeTplnfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No

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GetMultinodeEcInfo	No	Yes	No	Yes	No	No	No	No	No	No	Yes	No	No
UpdateMultinodeEc	No	Yes	No	Yes	No	No	No	No	No	No	Yes	No	No
GetMultinodeLcmInfo	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
UpdateMultinodeLcm	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
[VM Management ]													
MountIsoImage	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
UnmountIsoImage	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
MountFloppyImage	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
UnmountFloppyImage	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
GetVmInfo	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	TBD
VmManage	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	TBD
VMShell	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
[NM Management ]													
NmMeManage	No	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	No	No
GeneralNmManage	No	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	No	No
NmCpuManage	No	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	No	No
NmCupsManage	No	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	No	No
BmcNmManage	No	No	No	No	No	No	No	No	No	No	Yes	No	No
[Security Management ]													
BiosRotManage	No	Yes for RoT No for non-RoT	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No	Yes	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No
SecureBootManage	No	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
GetLockdownMode	No	Yes	Yes	Yes	Yes (Support BMC AST2600 only)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
SetLockdownMode	No	Yes	Yes	Yes	Yes (Support BMC AST2600 only)	Yes	Yes	No	Yes	Yes	Yes	Yes	No
BmcRotManage	No	Yes for RoT No for non-RoT	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No	Yes	Yes	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No
Attestation	No	Yes for RoT2.0 No for others	No	Yes for RoT No for non-RoT	No	No	Yes for RoT No for non-RoT	No	Yes	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No
SecureEraseDisk	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
SecureEraseRaidHdd	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No

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TpmProvision	No	No	No	No	No	No	No	No	No	No	No	No	No	
GetTpmInfo (SMCI OTA)	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No	
GetTpmInfo (Intel OTA)	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No	
GetTpmInfo (AMD)	No	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	No	
TpmManage (SMCI OTA)	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No	
TpmManage (Intel OTA)	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	No	
CmmRotManage	No	No	No	No	No	No	No	No	No	No	No	No	No	
CpldRotManage	No	No	No	Yes for RoT No for non-RoT	No	No	Yes for RoT No for non-RoT	No	No	No	Yes for RoT No for non-RoT	Yes for RoT No for non-RoT	No	
GetCpuERoTInfo	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
UpdateCpuERoT	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
CpuERoTManage	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
FpgaRotManage	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
GetGpuERoTInfo	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
GetSpdmInfo	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
CertManage	No	No	No	No	No	No	No	No	No	No	No	No	Yes	
[FPGA Management ]														
GetMotherboardFpgalInfo	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
UpdateMotherboardFpga	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
[MCU Management ]														
GetMotherboardMculInfo	No	No	No	Yes (Support X13SCW-F only)	No	No	No	No	No	No	No	No	No	
UpdateMotherboardMcu	No	No	No	Yes (Support X13SCW-F only)	No	No	No	No	No	No	No	No	No	

NOTE	
1	Please refer to Tab "NIC Chipset"



# Platform Feature Support Matrix

SAA CMM OOB Commands Solution Feature	HW & FW Compatibility			
	Without CMM			
	All platforms	B12	MicroBlade	SuperBlade
[ CMM Management ]				
UpdateCmm	No	Yes	Yes	Yes
GetCmmInfo	No	Yes	Yes	Yes
GetCmmCfg	No	Yes	Yes	Yes
ChangeCmmCfg	No	Yes	Yes	Yes
SetCmmPassword	No	Yes	Yes	Yes
LoadDefaultCmmCfg	No	Yes	Yes	Yes
GetBbplInfo	No	Yes	Yes	Yes
UpdateBbp	No	Yes	Yes	Yes
GetBladePowerStatus	No	Yes	Yes	Yes
SetBladePowerAction	No	Yes	Yes	Yes
ProfileManage	No	No	Yes (Support CMM_AST2400_64MB and CMM AST2600)	Yes (Support CMM_AST2400_64MB and CMM AST2600)
GetSystemCfg	No	Yes	Yes	Yes
ChangeSystemCfg	No	Yes	Yes	Yes
GetBladeSwitchInfo	No	No	Yes	Yes
UpdateBladeSwitch	No	No	Yes	Yes
RebooBladetSwitch	No	No	Yes	Yes
BladePsuManage	No	No	Yes	Yes
GetSystemInfo	No	Yes	Yes	Yes
BladeSummary	No	No	Yes	Yes
BladeConsole	No	No	Yes	Yes
CmmRotManage	No	No	Yes (Support CMM AST2600)	Yes (Support CMM AST2600)

# Platform Feature Support Matrix

SAA Switch OOB Commands Solution Feature	HW & FW Compatibility
	SBM-25G-P10/BMB-25G-P10 MBM-XEM-002/SBM-25G-100/MBM-GEM-004
[ CMM Management ]	
UpdateSwitch	Yes
RebootSwitch	Yes

# Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	OS & Architecture Compatibility				
	x86_64				ARM64
	Linux	Windows	FreeBSD	VMware ESXi	Linux
[License Management ]					
ActivateProductKey	Yes	Yes	Yes	Yes	Yes
QueryProductKey	Yes	Yes	Yes	Yes	Yes
CpuOnDemand	Yes	Yes	No	No	Yes for OOB No for In-Band
[ Health Management ]					
CheckOOBSupport	Yes	Yes	Yes	Yes	Yes
CheckAssetInfo	Yes	Yes	Yes	Yes	Yes
CheckSystemUtilization	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
CheckSensorData	Yes	Yes	Yes	Yes	Yes
ServiceCalls	Yes	Yes	Yes	Yes	Yes
SystemPFA	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
MemoryHealthCheck	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
ChassisIntrusion	Yes	Yes	Yes	No	Yes
AlertManage	Yes	Yes	Yes	No	Yes for OOB No for In-Band
SuperDiag	Yes	Yes	Yes	No	Yes
SendDiagInterrupt	Yes	Yes	Yes	No	Yes for OOB No for In-Band
MonitorCDUStatus	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
TasManage	Yes	Yes	Yes	No	Yes for OOB No for In-Band
CheckSelfTest	Yes	Yes	Yes	Yes	Yes
HDTService	Yes	Yes	Yes	Yes	Yes
[ System Management ]					
GetFruInfo	Yes	Yes	Yes	Yes	Yes
RestoreFruInfo	Yes	Yes	Yes	Yes	Yes
ChangeFruInfo	Yes	Yes	Yes	No	Yes
GetSystemInfo	Yes	Yes	Yes	Yes	Yes
GetSystemCfg	Yes	Yes	Yes	Yes	Yes
ChangeSystemCfg	Yes	Yes	Yes	Yes	Yes
GetFanMode	Yes	Yes	Yes	No	Yes
SetFanMode	Yes	Yes	Yes	No	Yes
LocateServerUid	Yes	Yes	Yes	Yes	Yes
GetFirmwareInventoryInfo	Yes	Yes	Yes	Yes	Yes

# Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	OS & Architecture Compatibility				
	x86_64				ARM64
	Linux	Windows	FreeBSD	VMware ESXi	Linux
ClearCMOS	Yes	Yes	Yes	Yes	Yes
[ BIOS Management ]					
GetBiosInfo	Yes	Yes	Yes	Yes	Yes
UpdateBios	Yes	Yes	Yes	Yes	Yes
GetDefaultBiosCfg	Yes	Yes	Yes	Yes	Yes
GetCurrentBiosCfg	Yes	Yes	Yes	Yes	Yes
ChangeBiosCfg	Yes	Yes	Yes	Yes	Yes
LoadDefaultBiosCfg	Yes	Yes	Yes	Yes	Yes
SetBiosPassword	Yes	Yes	Yes	Yes	Yes
GetDmiInfo	Yes	Yes	Yes	Yes	Yes
ChangeDmiInfo	Yes	Yes	Yes	Yes	Yes
EditDmiInfo	Yes	Yes	Yes	Yes	Yes
EraseOAKey	Yes	Yes	Yes	Yes	No
GetScpInfo	Yes for OOB No for In-Band	Yes for OOB No for In-Band	Yes for OOB No for In-Band	Yes for OOB No for In-Band	Yes
UpdateScp	Yes for OOB No for In-Band	Yes for OOB No for In-Band	Yes for OOB No for In-Band	Yes for OOB No for In-Band	Yes
GetFixedBootCfg	Yes	Yes	Yes	Yes	Yes
ChangeFixedBootCfg	Yes	Yes	Yes	Yes	Yes
GetBootOption	Yes	Yes	Yes	No	Yes for OOB No for In-Band
SetBootOption	Yes	Yes	Yes	No	Yes for OOB No for In-Band
SetHttpBoot	Yes	Yes	Yes	Yes	Yes
GetBiosPostCode	Yes	Yes	Yes	No	Yes
GetPostCodeLog	Yes	Yes	Yes	Yes	Yes
ClearPostCodeLog	Yes	Yes	Yes	Yes	Yes
SetBiosAction	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
[ BMC Management ]					
UpdateBmc	Yes	Yes	Yes	Yes	Yes
GetBmcInfo	Yes	Yes	Yes	Yes	Yes
GetBmcCfg	Yes	Yes	Yes	Yes	Yes
ChangeBmcCfg	Yes	Yes	Yes	Yes	Yes
DownloadBmcCfg	Yes	Yes	Yes	Yes	Yes
UploadBmcCfg	Yes	Yes	Yes	Yes	Yes

# Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	OS & Architecture Compatibility				
	x86_64				ARM64
	Linux	Windows	FreeBSD	VMware ESXi	Linux
SetBmcPassword	Yes	Yes	Yes	Yes	Yes
GetKcsPriv	Yes	Yes	Yes	Yes	Yes
SetKcsPriv	Yes	Yes	Yes	Yes	Yes
LoadDefaultBmcCfg	Yes	Yes	Yes	Yes	Yes
TimedBmcReset/BmcReset	Yes	Yes	Yes	Yes	Yes
GetBmcUserList	Yes	Yes	Yes	Yes	Yes
SetBmcUserList	Yes	Yes	Yes	Yes	Yes
GetBmcLANCfG	Yes	Yes	Yes	Yes	Yes
ChangeBmcLANCfG	Yes	Yes	Yes	Yes	Yes
RmcpManage	Yes	Yes	Yes	Yes	Yes
BootStrappingAccount	Yes	Yes	Yes	No	Yes
GetSessionInfo	Yes	Yes	Yes	No	Yes
SessionManage	Yes	Yes	Yes	Yes	Yes
BmcHostName	Yes	Yes	Yes	No	Yes
ManageRHI	Yes	Yes	Yes	No	Yes
SnmpManage	Yes	Yes	Yes	No	Yes
BmcWatchDog	Yes	Yes	Yes	No	Yes
BmcIPv6StaticRouteManage	Yes	Yes	Yes	Yes	Yes
[ System Event Log ]					
GetEventLog	Yes	Yes	Yes	Yes	Yes
ClearEventLog	Yes	Yes	Yes	Yes	Yes
GetMaintenEventLog	Yes	Yes	Yes	Yes	Yes
ClearMaintenEventLog	Yes	Yes	Yes	Yes	Yes
GetHostDump	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
SetSELTimeMode	Yes	Yes	Yes	Yes	No
[ Storage Management ]					
GetRaidControllerInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
UpdateRaidController	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetRaidCfg	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
ChangeRaidCfg	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetSataInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band

# Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	OS & Architecture Compatibility				
	x86_64				ARM64
	Linux	Windows	FreeBSD	VMware ESXi	Linux
GetNvmeInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
ControlNVMe	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetPMemInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
UpdatePMem	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetVROCCfg	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
ChangeVROCCfg	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetSmartData	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetSasExpanderInfo	Yes	Yes	Yes	Yes	Yes
UpdateSasExpander	Yes	Yes	Yes	Yes	Yes
[ Power Management ]					
GetPsuInfo	Yes	Yes	Yes	Yes	Yes
UpdatePsu	Yes	Yes	Yes	Yes	Yes
UpdatePsu with LCMC	Yes	Yes	Yes	Yes	Yes
GetPowerStatus	Yes	Yes	Yes	Yes	Yes
SetPowerAction	Yes	Yes	Yes	Yes	Yes
DcmiManage	Yes	Yes	Yes for OOB No for In-Band	No	Yes
PowerPolicy	Yes	Yes	Yes for OOB No for In-Band	No	Yes for OOB No for In-Band
GetAcpiPowerStatus	Yes	Yes	Yes	No	Yes
GetPsFruInfo	Yes	Yes	Yes	Yes	Yes
GetAiomStandbyPower	Yes	Yes	Yes	Yes	Yes
SetAiomStandbyPower	Yes	Yes	Yes	Yes	Yes
[ PCIe Switch Management ]					
GetPCleSwitchInfo	Yes	Yes for OOB No for In-Band	Yes for OOB No for In-Band	No	Yes for OOB No for In-Band
UpdatePCleSwitch	Yes	Yes for OOB No for In-Band	Yes for OOB No for In-Band	No	Yes for OOB No for In-Band
[ Application ]					
RawCommand	Yes	Yes	Yes	Yes	Yes
GetUsbAccessMode	Yes	Yes	Yes	No	No
SetUsbAccessMode	Yes	Yes	Yes	No	No
KmsManage	Yes	Yes	Yes	Yes	Yes
RedfishAPI	Yes	Yes	Yes	Yes	Yes
RemoteConsole	Yes	Yes	No	No	Yes

# Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	OS & Architecture Compatibility				
	x86_64				ARM64
	Linux	Windows	FreeBSD	VMware ESXi	Linux
Sol	Yes	Yes	Yes	No	Yes
RemoteExec	Yes	Yes	Yes	No	Yes
RemoteScreenshot	Yes	Yes	Yes	Yes	Yes
RemoteKeyboard	Yes	Yes	No	No	No
Shell	Yes	Yes	Yes	Yes	Yes
Prompt	Yes	Yes	Yes	Yes	Yes
FindBmcDevices	Yes for In-Band No for OOB	Yes for In-Band No for OOB	Yes for In-Band No for OOB	Yes for In-Band No for OOB	Yes for In-Band No for OOB
FoundBmcDevices	Yes for In-Band No for OOB	Yes for In-Band No for OOB	Yes for In-Band No for OOB	Yes for In-Band No for OOB	Yes for In-Band No for OOB
GetUSBHostControllerInfo	Yes for In-Band No for OOB	Yes for In-Band No for OOB	No	No	No
UpdateUSBHostController	Yes for In-Band No for OOB	Yes for In-Band No for OOB	No	No	No
Ch	Yes	Yes	Yes	Yes	Yes
[ GPU Management ]					
GetGpuInfo	Yes	Yes	Yes	Yes	Yes
UpdateGpu	Yes	Yes	Yes	Yes	Yes
DiagGpuStatus	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetGpuLog	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GpuPowerManage	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
[ CPLD Management ]					
GetCpldInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
UpdateCpld	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetSwitchboardCpldInfo	Yes	Yes	Yes	No	Yes for OOB No for In-Band
UpdateSwitchboardCpld	Yes	Yes	Yes	No	Yes for OOB No for In-Band
GetFanboardCpldInfo	Yes	Yes	Yes	No	Yes for OOB No for In-Band
UpdateFanboardCpld	Yes	Yes	Yes	No	Yes for OOB No for In-Band
GetBackplaneCpldInfo	Yes	Yes	Yes	No	Yes for OOB No for In-Band
UpdateBackplaneCpld	Yes	Yes	Yes	No	Yes for OOB No for In-Band
GetAipCpldInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
UpdateAipCpld	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetAomboardCpldInfo	Yes	Yes	Yes	Yes	Yes
UpdateAomboardCpld	Yes	Yes	Yes	Yes	Yes
GetMiscCpldInfo	Yes	Yes	Yes	Yes	Yes

# Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	OS & Architecture Compatibility				
	x86_64				ARM64
	Linux	Windows	FreeBSD	VMware ESXi	Linux
UpdateMiscCpld	Yes	Yes	Yes	Yes	Yes
GetTransitionboardCpldInfo	Yes	Yes	Yes	Yes	Yes
UpdateTransitionboardCpld	Yes	Yes	Yes	Yes	Yes
GetNicCpldInfo	Yes	Yes	Yes	Yes	Yes
UpdateNicCpld	Yes	Yes	Yes	Yes	Yes
GetMidplaneSbbCpldInfo	Yes	Yes	Yes	Yes	Yes
UpdateMidplaneSbbCpld	Yes	Yes	Yes	Yes	Yes
[ NIC Management ]					
GetAocNICInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
UpdateAocNIC <sup>1</sup>	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
[Multi-Node Management ]					
GetTplInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
ChangeTplInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetMultinodeEcInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
UpdateMultinodeEc	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetMultinodeLcmclInfo	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
UpdateMultinodeLcmcl	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
[VM Management ]					
MountIsoImage	Yes	Yes	Yes	Yes	Yes
UnMountIsoImage	Yes	Yes	Yes	Yes	Yes
MountFloppyImage	Yes	Yes	Yes	Yes	Yes
UnMountFloppyImage	Yes	Yes	Yes	Yes	Yes
GetVmInfo	Yes	Yes	Yes	Yes	Yes
VmManage	Yes	Yes	Yes	Yes	Yes
BmcNmManage	Yes	Yes	Yes	Yes	Yes
VMShell	Yes	Yes	No	No	No
[NM Management ]					
NmMeManage	Yes	Yes	Yes for OOB No for In-Band	No	Yes for OOB No for In-Band
GeneralNmManage	Yes	Yes	Yes for OOB No for In-Band	No	Yes for OOB No for In-Band
NmCpuManage	Yes	Yes	Yes for OOB No for In-Band	No	Yes for OOB No for In-Band
NmCupsManage	Yes	Yes	Yes for OOB No for In-Band	No	Yes for OOB No for In-Band



# Platform Feature Support Matrix

SAA (OOB & In-Band) Solution Feature  [ Group ] Command	OS & Architecture Compatibility				
	x86_64				ARM64
	Linux	Windows	FreeBSD	VMware ESXi	Linux
[Security Management ]					
BiosRotManage	Yes	Yes	Yes	Yes	Yes
SecureBootManage	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetLockdownMode	Yes	Yes	Yes	Yes	Yes
SetLockdownMode	Yes	Yes	Yes	Yes	Yes
BmcRotManage	Yes	Yes	Yes	Yes	Yes
Attestation	Yes	Yes	Yes	Yes	Yes
SecureEraseDisk	Yes	Yes	Yes	Yes	Yes
SecureEraseRaidHdd	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
TpmProvision	Yes	Yes	Yes	Yes	Yes
GetTpmInfo (SMCI OTA)	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetTpmInfo (Intel OTA)	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetTpmInfo (AMD)	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
TpmManage (SMCI OTA)	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
TpmManage (Intel OTA)	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
CmmRotManage	Yes	Yes	Yes	Yes	Yes
CpldRotManage	Yes	Yes	Yes	Yes	Yes for OOB No for In-Band
GetCpuERoTInfo	Yes	Yes	Yes	Yes	Yes
UpdateCpuERoT	Yes	Yes	Yes	Yes	Yes
CpuERoTManage	Yes	Yes	Yes	Yes	Yes
CpldRotManage	Yes	Yes	Yes	Yes	Yes
FpgaRotManage	Yes	Yes	Yes	Yes	Yes
GetGpuERoTInfo	Yes	Yes	Yes	Yes	Yes
GetSpdmInfo	Yes	Yes	Yes	Yes	Yes
CertManage	Yes	Yes	Yes	Yes	Yes
[FPGA Management ]					
GetMotherboardFpgaInfo	Yes	Yes	Yes	Yes	Yes
UpdateMotherboardFpga	Yes	Yes	Yes	Yes	Yes
[MCU Management ]					
GetMotherboardMcuInfo	Yes	Yes	Yes	Yes	Yes
UpdateMotherboardMcu	Yes	Yes	Yes	Yes	Yes

Platform Feature Support Matrix								
SAA (OOB & In-Band) Solution Feature  [ Group ] Command	NIC Chipset							
	Intel®			Broadcom®			Mellanox®	
	X550	X710	E810	57414	57416	57508	ConnectX-6 DX	ConnectX-7
[ NIC Management ]								
GetAocNICInfo	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UpdateAocNIC	No	No	Yes	Yes	Yes	Yes	Yes	Yes