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| MotherboardMotherboard | MotherboardMotherboard | MotherboardMotherboard | MotherboardMotherboard | MotherboardMotherboard | MotherboardMotherboard |  |  |  |  |  |  | Motherboard of the hostMotherboard of the host | Motherboard of the hostMotherboard of the host | Motherboard of the hostMotherboard of the host | Motherboard of the hostMotherboard of the host | Motherboard of the hostMotherboard of the host | Motherboard of the hostMotherboard of the host | Motherboard of the hostMotherboard of the host | Motherboard of the hostMotherboard of the host |  |
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| Operation System2Operation System2 | Operation System2Operation System2 | Operation System2Operation System2 | Operation System2Operation System2 | Operation System2Operation System2 | Operation System2Operation System2 | CentOS7.4 x64CentOS7.4 x64 | CentOS7.4 x64CentOS7.4 x64 | CentOS7.4 x64CentOS7.4 x64 | CentOS7.4 x64CentOS7.4 x64 | CentOS7.4 x64CentOS7.4 x64 | CentOS7.4 x64CentOS7.4 x64 | 3.10.0-693.11.1.el7.x86\_643.10.0-693.11.1.el7.x86\_64 | 3.10.0-693.11.1.el7.x86\_643.10.0-693.11.1.el7.x86\_64 | 3.10.0-693.11.1.el7.x86\_643.10.0-693.11.1.el7.x86\_64 | 3.10.0-693.11.1.el7.x86\_643.10.0-693.11.1.el7.x86\_64 | 3.10.0-693.11.1.el7.x86\_643.10.0-693.11.1.el7.x86\_64 | 3.10.0-693.11.1.el7.x86\_643.10.0-693.11.1.el7.x86\_64 | 3.10.0-693.11.1.el7.x86\_643.10.0-693.11.1.el7.x86\_64 | 3.10.0-693.11.1.el7.x86\_643.10.0-693.11.1.el7.x86\_64 |  |
| CPUCPU | CPUCPU | CPUCPU | CPUCPU | CPUCPU | CPUCPU |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MemoryMemory | MemoryMemory | MemoryMemory | MemoryMemory | MemoryMemory | MemoryMemory |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hard Disk DriveHard Disk Drive | Hard Disk DriveHard Disk Drive | Hard Disk DriveHard Disk Drive | Hard Disk DriveHard Disk Drive | Hard Disk DriveHard Disk Drive | Hard Disk DriveHard Disk Drive |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Web browserWeb browser | Web browserWeb browser | Web browserWeb browser | Web browserWeb browser | Web browserWeb browser | Web browserWeb browser |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration | RAID/HBA Card ConfigurationRAID/HBA Card Configuration |  |
| CardCard | CardCard | CardCard | Vender / ModelVender / Model | Vender / ModelVender / Model | Vender / ModelVender / Model | Vender / ModelVender / Model | Firmware ver.Firmware ver. | BIOS ver.BIOS ver. | BIOS ver.BIOS ver. | BIOS ver.BIOS ver. | BIOS ver.BIOS ver. | BIOS ver.BIOS ver. | BIOS ver.BIOS ver. | Driver ver.Driver ver. | Driver ver.Driver ver. | Driver ver.Driver ver. | Driver ver.Driver ver. | GUI ver.GUI ver. | GUI ver.GUI ver. |  |
| 12G RAID12G RAID | 12G RAID12G RAID | 12G RAID12G RAID |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12G RAID12G RAID | 12G RAID12G RAID | 12G RAID12G RAID |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12G HBA12G HBA | 12G HBA12G HBA | 12G HBA12G HBA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12G HBA12G HBA | 12G HBA12G HBA | 12G HBA12G HBA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration | HDD ConfigurationHDD Configuration |  |
| Vender / ModelVender / Model | Vender / ModelVender / Model | Vender / ModelVender / Model | Vender / ModelVender / Model | Vender / ModelVender / Model | Vender / ModelVender / Model | Vender / ModelVender / Model | InterfaceInterface | InterfaceInterface | InterfaceInterface | InterfaceInterface | InterfaceInterface | InterfaceInterface | DetailDetail | DetailDetail | DetailDetail | DetailDetail | DetailDetail | DetailDetail | DetailDetail |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration | 2.2 DUT Main Hardware Configuration2.2 DUT Main Hardware Configuration |  |
| ItemItem | ItemItem | ItemItem | ItemItem | Product NumberProduct Number | Product NumberProduct Number | Product NumberProduct Number | Product NumberProduct Number | Product NumberProduct Number | Product NumberProduct Number | QuantityQuantity | QuantityQuantity | QuantityQuantity | DetailDetail | DetailDetail | DetailDetail | DetailDetail | DetailDetail | DetailDetail | DetailDetail |  |
| Backplane boardBackplane board | Backplane boardBackplane board | Backplane boardBackplane board | Backplane boardBackplane board |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Expander boardExpander board | Expander boardExpander board | Expander boardExpander board | Expander boardExpander board |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Power ModulePower Module | Power ModulePower Module | Power ModulePower Module | Power ModulePower Module |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** | SKU：**SKU：** |  |
| Expander FirmwareExpander Firmware | Expander FirmwareExpander Firmware | Expander FirmwareExpander Firmware | Expander FirmwareExpander Firmware |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MFGMFG | MFGMFG | MFGMFG | MFGMFG |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BMCBMC | BMCBMC | BMCBMC | BMCBMC |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MCUMCU | MCUMCU | MCUMCU | MCUMCU |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CPLDCPLD | CPLDCPLD | CPLDCPLD | CPLDCPLD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ItemItem | ItemItem | ItemItem | ItemItem | Vender/Product NumberVender/Product Number | Vender/Product NumberVender/Product Number | Vender/Product NumberVender/Product Number | Vender/Product NumberVender/Product Number | Vender/Product NumberVender/Product Number | Vender/Product NumberVender/Product Number | Vender/Product NumberVender/Product Number | QuantityQuantity | QuantityQuantity | QuantityQuantity | QuantityQuantity | DetailDetail | DetailDetail | DetailDetail | DetailDetail | DetailDetail |  |
| External Expander Board (Hub Expander)External Expander Board (Hub Expander) | External Expander Board (Hub Expander)External Expander Board (Hub Expander) | External Expander Board (Hub Expander)External Expander Board (Hub Expander) | External Expander Board (Hub Expander)External Expander Board (Hub Expander) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Internal Expander  Board (24bay) (Edge Dual\_Expander)Internal Expander  Board (24bay) (Edge Dual\_Expander) | Internal Expander  Board (24bay) (Edge Dual\_Expander)Internal Expander  Board (24bay) (Edge Dual\_Expander) | Internal Expander  Board (24bay) (Edge Dual\_Expander)Internal Expander  Board (24bay) (Edge Dual\_Expander) | Internal Expander  Board (24bay) (Edge Dual\_Expander)Internal Expander  Board (24bay) (Edge Dual\_Expander) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Internal Expander  Board (30bay) (Edge Dual\_Expander)Internal Expander  Board (30bay) (Edge Dual\_Expander) | Internal Expander  Board (30bay) (Edge Dual\_Expander)Internal Expander  Board (30bay) (Edge Dual\_Expander) | Internal Expander  Board (30bay) (Edge Dual\_Expander)Internal Expander  Board (30bay) (Edge Dual\_Expander) | Internal Expander  Board (30bay) (Edge Dual\_Expander)Internal Expander  Board (30bay) (Edge Dual\_Expander) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Back Plane BoardBack Plane Board | Back Plane BoardBack Plane Board | Back Plane BoardBack Plane Board | Back Plane BoardBack Plane Board |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bridge BoardBridge Board | Bridge BoardBridge Board | Bridge BoardBridge Board | Bridge BoardBridge Board |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MCU BoardMCU Board | MCU BoardMCU Board | MCU BoardMCU Board | MCU BoardMCU Board |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| 3. JBOD Functional Test3. JBOD Functional Test | 3. JBOD Functional Test3. JBOD Functional Test | 3. JBOD Functional Test3. JBOD Functional Test |
| 3.1 Redundant Power Module3.1 Redundant Power Module | 3.1 Redundant Power Module3.1 Redundant Power Module | 3.1 Redundant Power Module3.1 Redundant Power Module |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side.Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side. | Hot-swap PSU under 'power on' state, check fail LED, beeper, and console status that can work properly.Hot-swap PSU under 'power on' state, check fail LED, beeper, and console status that can work properly. |  |
| Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side.Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side. | Power cord interrupt, check fail led, beeper, and console status that can work properly.Power cord interrupt, check fail led, beeper, and console status that can work properly. |  |
| Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side.Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side. | PSU status under GUI that can work properly.PSU status under GUI that can work properly. |  |
| Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side.Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side. | PSU status under console that can work properly.PSU status under console that can work properly. |  |
| Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side.Perform Hot-swap the power module and power cord ten times, and verify the functions be listed on right side. | Mute button of PSU that can work properly.Mute button of PSU that can work properly. |  |
| 3.2 System Fan3.2 System Fan | 3.2 System Fan3.2 System Fan | 3.2 System Fan3.2 System Fan |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Perform the fan function, and verify the functions be listed on right side.Perform the fan function, and verify the functions be listed on right side. | Remove the fan ten times, check fail led, GUI, and console status that can work properly.Remove the fan ten times, check fail led, GUI, and console status that can work properly. |  |
| Perform the fan function, and verify the functions be listed on right side.Perform the fan function, and verify the functions be listed on right side. | Fan status under GUI that can work properly.Fan status under GUI that can work properly. |  |
| Perform the fan function, and verify the functions be listed on right side.Perform the fan function, and verify the functions be listed on right side. | Fan status under console that can work properly.Fan status under console that can work properly. |  |
| Perform the fan function, and verify the functions be listed on right side.Perform the fan function, and verify the functions be listed on right side. | For Smart Fan feature, if temperature upgrade, the rotational speed of fan was increased (depend on spec.) that can work properly.For Smart Fan feature, if temperature upgrade, the rotational speed of fan was increased (depend on spec.) that can work properly. |  |
| 3.3 Expander3.3 Expander | 3.3 Expander3.3 Expander | 3.3 Expander3.3 Expander |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Check channel of expander that function is ok or not.Check channel of expander that function is ok or not. | Check PHY state and negotiated link speed; confirm the PHY contents with actual HDD configuration are correct.Check PHY state and negotiated link speed; confirm the PHY contents with actual HDD configuration are correct. |  |
| Check channel of expander that function is ok or not.Check channel of expander that function is ok or not. | Up connector is correct with substrate type.Up connector is correct with substrate type. |  |
| Check channel of expander that function is ok or not.Check channel of expander that function is ok or not. | Down connectors were correct with table type.Down connectors were correct with table type. |  |
| 3.4 Burn-in Test3.4 Burn-in Test | 3.4 Burn-in Test3.4 Burn-in Test | 3.4 Burn-in Test3.4 Burn-in Test |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Using performance assessment tool let JBOD status was maintain full loading on 12 hours.Using performance assessment tool let JBOD status was maintain full loading on 12 hours. | Adjust conf. to 100% read (in Iometer); the function can work properly after burn-in test.Adjust conf. to 100% read (in Iometer); the function can work properly after burn-in test. |  |
| Using performance assessment tool let JBOD status was maintain full loading on 12 hours.Using performance assessment tool let JBOD status was maintain full loading on 12 hours. | Adjust conf. to 100% write (in Iometer); the function can work properly after burn-in test.Adjust conf. to 100% write (in Iometer); the function can work properly after burn-in test. |  |
| 3.5 LED Function3.5 LED Function | 3.5 LED Function3.5 LED Function | 3.5 LED Function3.5 LED Function |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Check the function of UUT's LED by visual inspection.Check the function of UUT's LED by visual inspection. | Power LED blue, support enclosure ID that can display as spec. defined.Power LED blue, support enclosure ID that can display as spec. defined. |  |
| Check the function of UUT's LED by visual inspection.Check the function of UUT's LED by visual inspection. | PSU alarm LED that can display as spec. defined.PSU alarm LED that can display as spec. defined. |  |
| Check the function of UUT's LED by visual inspection.Check the function of UUT's LED by visual inspection. | Temperature LED Red, that can display as spec. defined.Temperature LED Red, that can display as spec. defined. |  |
| Check the function of UUT's LED by visual inspection.Check the function of UUT's LED by visual inspection. | FAN failed LED Red that can display as spec. defined.FAN failed LED Red that can display as spec. defined. |  |
| Check the function of UUT's LED by visual inspection.Check the function of UUT's LED by visual inspection. | HDD failed LED that can display as spec. defined.HDD failed LED that can display as spec. defined. |  |
| Check the function of UUT's LED by visual inspection.Check the function of UUT's LED by visual inspection. | HDD accessed LED that can display as spec. defined.HDD accessed LED that can display as spec. defined. |  |
| Check the function of UUT's LED by visual inspection.Check the function of UUT's LED by visual inspection. | System Fail LED Red, that can display as spec. defined.System Fail LED Red, that can display as spec. defined. |  |
| 3.6 Mute Button3.6 Mute Button | 3.6 Mute Button3.6 Mute Button | 3.6 Mute Button3.6 Mute Button |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| When the warning sound was activated, press the mute button to stop the warning sound.When the warning sound was activated, press the mute button to stop the warning sound. | Hot swap the power module ten times (Redundant) and warning sound can be stopped by mute button.Hot swap the power module ten times (Redundant) and warning sound can be stopped by mute button. |  |
| When the warning sound was activated, press the mute button to stop the warning sound.When the warning sound was activated, press the mute button to stop the warning sound. | Hot swap the fan module ten times, and warning sound can be stopped by mute button.Hot swap the fan module ten times, and warning sound can be stopped by mute button. |  |
| When the warning sound was activated, press the mute button to stop the warning sound.When the warning sound was activated, press the mute button to stop the warning sound. | Temperature was detected over default alarm value (over 55 degrees centigrade), and warning sound can be stopped by mute button.Temperature was detected over default alarm value (over 55 degrees centigrade), and warning sound can be stopped by mute button. |  |
| 3.7 Firmware Upgrade3.7 Firmware Upgrade | 3.7 Firmware Upgrade3.7 Firmware Upgrade | 3.7 Firmware Upgrade3.7 Firmware Upgrade |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Upgrade the firmware, then check the upgrade is successful or not.Upgrade the firmware, then check the upgrade is successful or not. | Upgrade via debug port, it can be done successfully.Upgrade via debug port, it can be done successfully. |  |
| Upgrade the firmware, then check the upgrade is successful or not.Upgrade the firmware, then check the upgrade is successful or not. | Upgrade via console port, it can be done successfully.Upgrade via console port, it can be done successfully. |  |
| Upgrade the firmware, then check the upgrade is successful or not.Upgrade the firmware, then check the upgrade is successful or not. | Upgrade via in-band, it can be done successfully.Upgrade via in-band, it can be done successfully. |  |
| 3.8 Temperature Sensor3.8 Temperature Sensor | 3.8 Temperature Sensor3.8 Temperature Sensor | 3.8 Temperature Sensor3.8 Temperature Sensor |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not.When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not. | T1, T2, warning, Alarm value configuration setting, that statuses are showing normally.T1, T2, warning, Alarm value configuration setting, that statuses are showing normally. |  |
| When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not.When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not. | Temperature detected status under GUI that statuses are showing normally.Temperature detected status under GUI that statuses are showing normally. |  |
| When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not.When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not. | Temperature detected status under HyperTerminal that statuses are showing normally.Temperature detected status under HyperTerminal that statuses are showing normally. |  |
| When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not.When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not. | Break through alarm value, then the fail led will light up, that statuses are showing normally.Break through alarm value, then the fail led will light up, that statuses are showing normally. |  |
| When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not.When temperature sensor ≧ designated degree, the GUI will pop-up warning message, then check the sensor statuses (w/ fan speed) from the RS232 console that are showing normally or not. | Break through alarm value, RPM of fan is the highest, that statuses are showing normally.Break through alarm value, RPM of fan is the highest, that statuses are showing normally. |  |
| 3.9 SES Lighting Signal3.9 SES Lighting Signal | 3.9 SES Lighting Signal3.9 SES Lighting Signal | 3.9 SES Lighting Signal3.9 SES Lighting Signal |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request OKRequest OK |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request RSVD deviceRequest RSVD device |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request hot spareRequest hot spare |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request consistency checkRequest consistency check |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request in critical arrayRequest in critical array |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request in failed arrayRequest in failed array |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request rebuild/ remapRequest rebuild/ remap |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request rebuild/ remap abortedRequest rebuild/ remap aborted |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request activeRequest active |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request do not removeRequest do not remove |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request device missing indicationRequest device missing indication |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request insertRequest insert |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request removalRequest removal |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request identifyRequest identify |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request fault indicationRequest fault indication |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request device offRequest device off |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request CanisterRequest Canister |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request Power supply offRequest Power supply off |  |
| To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not.To verify SES lighting signal, using sg3\_utils tool to check lighting mode of each status is correct or not. | Request PRD failRequest PRD fail |  |
| 3.10 JBOD Remote3.10 JBOD Remote | 3.10 JBOD Remote3.10 JBOD Remote | 3.10 JBOD Remote3.10 JBOD Remote |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Execute some commands or packages to operate UUT.Execute some commands or packages to operate UUT. | Use sg\_utils to shutdown UUT under Linux that function can work properly.Use sg\_utils to shutdown UUT under Linux that function can work properly. |  |
| Under HyperTerminal, use command to power on JOBDUnder HyperTerminal, use command to power on JOBD | Remote JBOD power on that function can work properly.Remote JBOD power on that function can work properly. |  |
| Under HyperTerminal, use command to power off JOBDUnder HyperTerminal, use command to power off JOBD | Remote JBOD power off, that function can work properly.Remote JBOD power off, that function can work properly. |  |
| 3.11 Shake Test3.11 Shake Test | 3.11 Shake Test3.11 Shake Test | 3.11 Shake Test3.11 Shake Test |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Power up the enclosure and use SAS Cable to plug in backplane connector, then shake SAS Cable with connector gently by hand, and check the PHY status is normally or not.Power up the enclosure and use SAS Cable to plug in backplane connector, then shake SAS Cable with connector gently by hand, and check the PHY status is normally or not. | Bend the SFF-8644 cable that the PHY status is showing normally.Bend the SFF-8644 cable that the PHY status is showing normally. |  |
| Power up the enclosure and use SAS Cable to plug in backplane connector, then shake SAS Cable with connector gently by hand, and check the PHY status is normally or not.Power up the enclosure and use SAS Cable to plug in backplane connector, then shake SAS Cable with connector gently by hand, and check the PHY status is normally or not. | Shaking cable around the SFF-8644 junction that the PHY status is showing normally.Shaking cable around the SFF-8644 junction that the PHY status is showing normally. |  |
| 3.12 HDD Hot-swap3.12 HDD Hot-swap | 3.12 HDD Hot-swap3.12 HDD Hot-swap | 3.12 HDD Hot-swap3.12 HDD Hot-swap |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Perform hot-swap HDD ten times under operating of JBOD.Perform hot-swap HDD ten times under operating of JBOD. | Plug-in HDD that JBOD function can work properly.Plug-in HDD that JBOD function can work properly. |  |
| Perform hot-swap HDD ten times under operating of JBOD.Perform hot-swap HDD ten times under operating of JBOD. | Remove HDD that JBOD function can work properly.Remove HDD that JBOD function can work properly. |  |
| 3.13 External 8644 Hot-swap3.13 External 8644 Hot-swap | 3.13 External 8644 Hot-swap3.13 External 8644 Hot-swap | 3.13 External 8644 Hot-swap3.13 External 8644 Hot-swap |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Perform external 8644 hot-swap ten times under operating of JBOD.Perform external 8644 hot-swap ten times under operating of JBOD. | Plug-in external 8644 that JBOD function can work properly.Plug-in external 8644 that JBOD function can work properly. |  |
| Perform external 8644 hot-swap ten times under operating of JBOD.Perform external 8644 hot-swap ten times under operating of JBOD. | Remove external 8644 that JBOD function can work properly.Remove external 8644 that JBOD function can work properly. |  |
| 3.14 Expander hot-swap3.14 Expander hot-swap | 3.14 Expander hot-swap3.14 Expander hot-swap | 3.14 Expander hot-swap3.14 Expander hot-swap |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Perform expander hot-swap ten times under operating of JBOD.Perform expander hot-swap ten times under operating of JBOD. | Plug-in Expander that JBOD function can work properly.Plug-in Expander that JBOD function can work properly. |  |
| Perform expander hot-swap ten times under operating of JBOD.Perform expander hot-swap ten times under operating of JBOD. | Remove Expander that JBOD function can work properly.Remove Expander that JBOD function can work properly. |  |
| 3.15 AC/DC Power cycling3.15 AC/DC Power cycling | 3.15 AC/DC Power cycling3.15 AC/DC Power cycling | 3.15 AC/DC Power cycling3.15 AC/DC Power cycling |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Perform JBOD power cycling for ten timesPerform JBOD power cycling for ten times | Power on/off by AC power core (plug-in/removed), that JBOD function can work properly.Power on/off by AC power core (plug-in/removed), that JBOD function can work properly. |  |
| Perform JBOD power cycling for ten timesPerform JBOD power cycling for ten times | Power on/off by power button, that JBOD function can work properly.Power on/off by power button, that JBOD function can work properly. |  |
| 3.16 SAS Zoning3.16 SAS Zoning | 3.16 SAS Zoning3.16 SAS Zoning | 3.16 SAS Zoning3.16 SAS Zoning |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Applying SAS Zoning function to segment HDD group, and obtain benefit of dual host that could connect the same JBOD simultaneously.Applying SAS Zoning function to segment HDD group, and obtain benefit of dual host that could connect the same JBOD simultaneously. | Group8 and Group9 were run independently.Group8 and Group9 were run independently. |  |
| Applying SAS Zoning function to segment HDD group, and obtain benefit of dual host that could connect the same JBOD simultaneously.Applying SAS Zoning function to segment HDD group, and obtain benefit of dual host that could connect the same JBOD simultaneously. | Group1 can detect Group8 and Group9.Group1 can detect Group8 and Group9. |  |
| Applying SAS Zoning function to segment HDD group, and obtain benefit of dual host that could connect the same JBOD simultaneously.Applying SAS Zoning function to segment HDD group, and obtain benefit of dual host that could connect the same JBOD simultaneously. | All HDD of Group8 could build RAID and run Iometer properly.All HDD of Group8 could build RAID and run Iometer properly. |  |
| Applying SAS Zoning function to segment HDD group, and obtain benefit of dual host that could connect the same JBOD simultaneously.Applying SAS Zoning function to segment HDD group, and obtain benefit of dual host that could connect the same JBOD simultaneously. | And all HDD of Group9 could build RAID and run Iometer properly.And all HDD of Group9 could build RAID and run Iometer properly. |  |
| 3.17 JBOD Cascade3.17 JBOD Cascade | 3.17 JBOD Cascade3.17 JBOD Cascade | 3.17 JBOD Cascade3.17 JBOD Cascade |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Cascade two 12G JBOD, check substrate table and perform Diameter for 12 hrs.Cascade two 12G JBOD, check substrate table and perform Diameter for 12 hrs. | Check substrate table and Diameter for 12 hrs. without error.Check substrate table and Diameter for 12 hrs. without error. |  |
| 3.18 Manually PWM3.18 Manually PWM | 3.18 Manually PWM3.18 Manually PWM | 3.18 Manually PWM3.18 Manually PWM |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Under OS terminal, set up manual PWM function.Under OS terminal, set up manual PWM function. | Check PWM % can be changed and FAN rpm will speed up or low down by manual setting that can work properly.Check PWM % can be changed and FAN rpm will speed up or low down by manual setting that can work properly. |  |
| 3.19 MPIO3.19 MPIO | 3.19 MPIO3.19 MPIO | 3.19 MPIO3.19 MPIO |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| While using MPIO feature which was one of Windows Server OS functions, if MPIO was enabled under OS, then check UUT mechanism supports this test item and is workable or not.While using MPIO feature which was one of Windows Server OS functions, if MPIO was enabled under OS, then check UUT mechanism supports this test item and is workable or not. | Single HBA card (at least 2 wide ports) was set upon motherboard, one piece of wide port cable connected primary expander board, another cable was connected secondary expander board. Enable MPIO feature, dual expander boards were worked properly at the same time. If one of cables was extracted and inserted into another wide port on same expander board, dual expander boards must still work properly. (It needs to wait for few minutes until MPIO was recovered.)Single HBA card (at least 2 wide ports) was set upon motherboard, one piece of wide port cable connected primary expander board, another cable was connected secondary expander board. Enable MPIO feature, dual expander boards were worked properly at the same time. If one of cables was extracted and inserted into another wide port on same expander board, dual expander boards must still work properly. (It needs to wait for few minutes until MPIO was recovered.) |  |
| While using MPIO feature which was one of Windows Server OS functions, if MPIO was enabled under OS, then check UUT mechanism supports this test item and is workable or not.While using MPIO feature which was one of Windows Server OS functions, if MPIO was enabled under OS, then check UUT mechanism supports this test item and is workable or not. | Dual HBA cards were set upon the same motherboard, one piece of wide port cable connected primary expander board, another cable was connected secondary expander board. Enable MPIO feature, dual expander boards were worked properly at the same time. If one of cables was extracted and inserted into nearby wide port on same expander board, dual expander boards must still work properly. (It needs to wait for few minutes until MPIO was recovered.)Dual HBA cards were set upon the same motherboard, one piece of wide port cable connected primary expander board, another cable was connected secondary expander board. Enable MPIO feature, dual expander boards were worked properly at the same time. If one of cables was extracted and inserted into nearby wide port on same expander board, dual expander boards must still work properly. (It needs to wait for few minutes until MPIO was recovered.) |  |
| 3.20 DD command stress JBOD3.20 DD command stress JBOD | 3.20 DD command stress JBOD3.20 DD command stress JBOD | 3.20 DD command stress JBOD3.20 DD command stress JBOD |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Under Linux, use DD command to stress HDDUnder Linux, use DD command to stress HDD | Stress JBOD without any CDB or error.Stress JBOD without any CDB or error. |  |
| 3.21 diag\_drive\_led3.21 diag\_drive\_led | 3.21 diag\_drive\_led3.21 diag\_drive\_led | 3.21 diag\_drive\_led3.21 diag\_drive\_led |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Key in "diag\_drive\_led" command under console, then enter diag mode to check LED indicator.Key in "diag\_drive\_led" command under console, then enter diag mode to check LED indicator. | The "diag\_drive\_led" function can work properly.The "diag\_drive\_led" function can work properly. |  |
| 3.22 sas\_standby\_timer3.22 sas\_standby\_timer | 3.22 sas\_standby\_timer3.22 sas\_standby\_timer | 3.22 sas\_standby\_timer3.22 sas\_standby\_timer |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Key in "sas\_standby\_timer" command under console, and wait for a little time, then check current is diminished.Key in "sas\_standby\_timer" command under console, and wait for a little time, then check current is diminished. | The power saving function can work properly.The power saving function can work properly. |  |
| 3.23 Check\_wide\_port on /off /standby3.23 Check\_wide\_port on /off /standby | 3.23 Check\_wide\_port on /off /standby3.23 Check\_wide\_port on /off /standby | 3.23 Check\_wide\_port on /off /standby3.23 Check\_wide\_port on /off /standby |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Key in "Check\_wide\_port" command under console, and wait for a little time, then check current is diminished.Key in "Check\_wide\_port" command under console, and wait for a little time, then check current is diminished. | The power saving function can work properly.The power saving function can work properly. |  |
| 3.24 serial number and enclosure number3.24 serial number and enclosure number | 3.24 serial number and enclosure number3.24 serial number and enclosure number | 3.24 serial number and enclosure number3.24 serial number and enclosure number |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Key in "serial\_number xxx-xxxxxxxxxxxxxx xxx-xxxxxxxxxxxxxx" (x is number), and key in "serial\_number" to check function under console.Key in "serial\_number xxx-xxxxxxxxxxxxxx xxx-xxxxxxxxxxxxxx" (x is number), and key in "serial\_number" to check function under console. | The function of CLI serial number and enclosure number can work properly.The function of CLI serial number and enclosure number can work properly. |  |
| 3.25 enclosure addr3.25 enclosure addr | 3.25 enclosure addr3.25 enclosure addr | 3.25 enclosure addr3.25 enclosure addr |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Key in "enclosure\_addr xxxxxxxxxxxxxxx" (x is number), and key in "enclosure addr" to check function under console.Key in "enclosure\_addr xxxxxxxxxxxxxxx" (x is number), and key in "enclosure addr" to check function under console. | The function of CLI enclosure addr function can work properly.The function of CLI enclosure addr function can work properly. |  |
| 3.26 sensor3.26 sensor | 3.26 sensor3.26 sensor | 3.26 sensor3.26 sensor |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Key in "sensor" and check sensor items can be listedKey in "sensor" and check sensor items can be listed | The function of CLI sensor can work properly.The function of CLI sensor can work properly. |  |
| 3.27 AT Switch test: by power cord3.27 AT Switch test: by power cord | 3.27 AT Switch test: by power cord3.27 AT Switch test: by power cord | 3.27 AT Switch test: by power cord3.27 AT Switch test: by power cord |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Key in "power\_setting keep\_on" command under console, and AC power off by power cord removed, then wait 10 seconds to re-plug power cord to check JBOD can auto power on.Key in "power\_setting keep\_on" command under console, and AC power off by power cord removed, then wait 10 seconds to re-plug power cord to check JBOD can auto power on. | The function of "power\_setting keep\_on” can work properly.The function of "power\_setting keep\_on” can work properly. |  |
| Key in "power\_setting keep\_off" command under console, and AC power off by power cord removed, then wait 10 seconds to re-plug power cord to check JBOD cannot auto power on.Key in "power\_setting keep\_off" command under console, and AC power off by power cord removed, then wait 10 seconds to re-plug power cord to check JBOD cannot auto power on. | The function of "power\_setting keep\_off" can work properly.The function of "power\_setting keep\_off" can work properly. |  |
| Key in "power\_setting keep\_last\_state" command under console, and AC power off by power cord removed, then wait 10 seconds to re-plug power cord to check JBOD can auto power on.Key in "power\_setting keep\_last\_state" command under console, and AC power off by power cord removed, then wait 10 seconds to re-plug power cord to check JBOD can auto power on. | The function of "power\_setting keep\_last\_state" can work properly.The function of "power\_setting keep\_last\_state" can work properly. |  |
| 3.28 AT Switch test: by front power SW3.28 AT Switch test: by front power SW | 3.28 AT Switch test: by front power SW3.28 AT Switch test: by front power SW | 3.28 AT Switch test: by front power SW3.28 AT Switch test: by front power SW |
| Test ProcedureTest Procedure | CriteriaCriteria | ResultResult |
| Key in "power\_setting keep\_on" command under console, DC power off by front power SW, then unplug power cord and wait 10 seconds to re-plug power cord to check JBOD can auto power on.Key in "power\_setting keep\_on" command under console, DC power off by front power SW, then unplug power cord and wait 10 seconds to re-plug power cord to check JBOD can auto power on. | The function of "power\_setting keep\_on" can work properly.The function of "power\_setting keep\_on" can work properly. |  |
| Key in "power\_setting keep\_off" command under console, DC power off by front power SW, then unplug power cord and wait 10 seconds to re-plug power cord to check JBOD cannot auto power on.Key in "power\_setting keep\_off" command under console, DC power off by front power SW, then unplug power cord and wait 10 seconds to re-plug power cord to check JBOD cannot auto power on. | The function of "power\_setting keep\_off" can work properly.The function of "power\_setting keep\_off" can work properly. |  |
| Key in "power\_setting keep\_last\_state" command under console, AC power off by power cord, then wait 10 seconds to re-plug power cord to check JBOD can auto power on.Key in "power\_setting keep\_last\_state" command under console, AC power off by power cord, then wait 10 seconds to re-plug power cord to check JBOD can auto power on. | The function of "power\_setting keep\_last\_state" can work properly.The function of "power\_setting keep\_last\_state" can work properly. |  |

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| 4. RAID Card Test4. RAID Card Test | 4. RAID Card Test4. RAID Card Test | 4. RAID Card Test4. RAID Card Test | 4. RAID Card Test4. RAID Card Test | 4. RAID Card Test4. RAID Card Test |
| RAID CardRAID Card | "RAID Card""RAID Card" | DriverDriver |  |  |
| Power HousingPower Housing |  |  |  |  |
| Power ModulePower Module |  |  |  |  |
| 4.1 "RAID Card" with SAS 12G HDD Config4.1 "RAID Card" with SAS 12G HDD Config | 4.1 "RAID Card" with SAS 12G HDD Config4.1 "RAID Card" with SAS 12G HDD Config | 4.1 "RAID Card" with SAS 12G HDD Config4.1 "RAID Card" with SAS 12G HDD Config | 4.1 "RAID Card" with SAS 12G HDD Config4.1 "RAID Card" with SAS 12G HDD Config | 4.1 "RAID Card" with SAS 12G HDD Config4.1 "RAID Card" with SAS 12G HDD Config |
| SAS 12G configuration**SAS 12G configuration** | SAS 12G configuration**SAS 12G configuration** | SAS 12G configuration**SAS 12G configuration** | SAS 12G configuration**SAS 12G configuration** | SAS 12G configuration**SAS 12G configuration** |
| RAID FunctionRAID Function | Test ProcedureTest Procedure | CriteriaCriteria | CriteriaCriteria | ResultResult |
| "RAID Card""RAID Card" | Create a RAID 0 volumeCreate a RAID 0 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 1 volumeCreate a RAID 1 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 5 volumeCreate a RAID 5 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 6 volumeCreate a RAID 6 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 00 volumeCreate a RAID 00 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 10 volumeCreate a RAID 10 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 50 volumeCreate a RAID 50 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 60 volumeCreate a RAID 60 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 0 volumeRemove a RAID 0 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 1 volumeRemove a RAID 1 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 5 volumeRemove a RAID 5 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 6 volumeRemove a RAID 6 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 00 volumeRemove a RAID 00 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 10 volumeRemove a RAID 10 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 50 volumeRemove a RAID 50 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 60 volumeRemove a RAID 60 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Rebuild a RAID 1 volumeRebuild a RAID 1 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 5 volumeRebuild a RAID 5 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 6 volumeRebuild a RAID 6 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 10 volumeRebuild a RAID 10 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 50 volumeRebuild a RAID 50 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 60 volumeRebuild a RAID 60 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 0 volumeFull initialization a RAID 0 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 1 volumeFull initialization a RAID 1 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 5 volumeFull initialization a RAID 5 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 6 volumeFull initialization a RAID 6 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 00 volumeFull initialization a RAID 00 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 10 volumeFull initialization a RAID 10 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 50 volumeFull initialization a RAID 50 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 60 volumeFull initialization a RAID 60 volume | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Failover function (Primary Hub EXP)Failover function (Primary Hub EXP) | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly |  |
| "RAID Card""RAID Card" | Failover function (Secondary Hub EXP)Failover function (Secondary Hub EXP) | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly |  |
| "RAID Card""RAID Card" | S.M.A.R.T. status verifyS.M.A.R.T. status verify | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly |  |
| 4.2 "RAID Card" with SAS 6G HDD Config4.2 "RAID Card" with SAS 6G HDD Config | 4.2 "RAID Card" with SAS 6G HDD Config4.2 "RAID Card" with SAS 6G HDD Config | 4.2 "RAID Card" with SAS 6G HDD Config4.2 "RAID Card" with SAS 6G HDD Config | 4.2 "RAID Card" with SAS 6G HDD Config4.2 "RAID Card" with SAS 6G HDD Config | 4.2 "RAID Card" with SAS 6G HDD Config4.2 "RAID Card" with SAS 6G HDD Config |
| SAS 6G configuration**SAS 6G configuration** | SAS 6G configuration**SAS 6G configuration** | SAS 6G configuration**SAS 6G configuration** | SAS 6G configuration**SAS 6G configuration** | SAS 6G configuration**SAS 6G configuration** |
| RAID FunctionRAID Function | Test ProcedureTest Procedure | CriteriaCriteria | CriteriaCriteria | ResultResult |
| "RAID Card""RAID Card" | Create a RAID 0 volumeCreate a RAID 0 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 1 volumeCreate a RAID 1 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 5 volumeCreate a RAID 5 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 6 volumeCreate a RAID 6 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 00 volumeCreate a RAID 00 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 10 volumeCreate a RAID 10 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 50 volumeCreate a RAID 50 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 60 volumeCreate a RAID 60 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 0 volumeRemove a RAID 0 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 1 volumeRemove a RAID 1 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 5 volumeRemove a RAID 5 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 6 volumeRemove a RAID 6 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 00 volumeRemove a RAID 00 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 10 volumeRemove a RAID 10 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 50 volumeRemove a RAID 50 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 60 volumeRemove a RAID 60 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Rebuild a RAID 1 volumeRebuild a RAID 1 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 5 volumeRebuild a RAID 5 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 6 volumeRebuild a RAID 6 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 10 volumeRebuild a RAID 10 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 50 volumeRebuild a RAID 50 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 60 volumeRebuild a RAID 60 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 0 volumeFull initialization a RAID 0 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 1 volumeFull initialization a RAID 1 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 5 volumeFull initialization a RAID 5 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 6 volumeFull initialization a RAID 6 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 00 volumeFull initialization a RAID 00 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 10 volumeFull initialization a RAID 10 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 50 volumeFull initialization a RAID 50 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 60 volumeFull initialization a RAID 60 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Failover function (Primary Hub EXP)Failover function (Primary Hub EXP) | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly |  |
| "RAID Card""RAID Card" | Failover function (Secondary Hub EXP)Failover function (Secondary Hub EXP) | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly |  |
| "RAID Card""RAID Card" | S.M.A.R.T. status verifyS.M.A.R.T. status verify | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly |  |
| "RAID Card""RAID Card" | S.M.A.R.T. status verifyS.M.A.R.T. status verify | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly |  |
| 4.3 "RAID Card" with SATA 6G HDD Config4.3 "RAID Card" with SATA 6G HDD Config | 4.3 "RAID Card" with SATA 6G HDD Config4.3 "RAID Card" with SATA 6G HDD Config | 4.3 "RAID Card" with SATA 6G HDD Config4.3 "RAID Card" with SATA 6G HDD Config | 4.3 "RAID Card" with SATA 6G HDD Config4.3 "RAID Card" with SATA 6G HDD Config | 4.3 "RAID Card" with SATA 6G HDD Config4.3 "RAID Card" with SATA 6G HDD Config |
| SATA 6G configuration**SATA 6G configuration** | SATA 6G configuration**SATA 6G configuration** | SATA 6G configuration**SATA 6G configuration** | SATA 6G configuration**SATA 6G configuration** | SATA 6G configuration**SATA 6G configuration** |
| RAID FunctionRAID Function | Test ProcedureTest Procedure | CriteriaCriteria | CriteriaCriteria | ResultResult |
| "RAID Card""RAID Card" | Create a RAID 0 volumeCreate a RAID 0 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 1 volumeCreate a RAID 1 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 5 volumeCreate a RAID 5 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 6 volumeCreate a RAID 6 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 00 volumeCreate a RAID 00 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 10 volumeCreate a RAID 10 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 50 volumeCreate a RAID 50 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Create a RAID 60 volumeCreate a RAID 60 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 0 volumeRemove a RAID 0 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 1 volumeRemove a RAID 1 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 5 volumeRemove a RAID 5 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 6 volumeRemove a RAID 6 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 00 volumeRemove a RAID 00 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 10 volumeRemove a RAID 10 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 50 volumeRemove a RAID 50 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Remove a RAID 60 volumeRemove a RAID 60 volume | The RAID function can work properly.The RAID function can work properly. | The RAID function can work properly.The RAID function can work properly. |  |
| "RAID Card""RAID Card" | Rebuild a RAID 1 volumeRebuild a RAID 1 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 5 volumeRebuild a RAID 5 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 6 volumeRebuild a RAID 6 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 10 volumeRebuild a RAID 10 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 50 volumeRebuild a RAID 50 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Rebuild a RAID 60 volumeRebuild a RAID 60 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 0 volumeFull initialization a RAID 0 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 1 volumeFull initialization a RAID 1 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 5 volumeFull initialization a RAID 5 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 6 volumeFull initialization a RAID 6 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 00 volumeFull initialization a RAID 00 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 10 volumeFull initialization a RAID 10 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 50 volumeFull initialization a RAID 50 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Full initialization a RAID 60 volumeFull initialization a RAID 60 volume | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7The RAID function can work properly.  Check Item: GUI: 1. Fan Status 2. Temp Status  CLI:(read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| "RAID Card""RAID Card" | Failover function (Primary Hub EXP)Failover function (Primary Hub EXP) | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly |  |
| "RAID Card""RAID Card" | Failover function (Secondary Hub EXP)Failover function (Secondary Hub EXP) | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly | Plug in/unplug Cable is working properlyPlug in/unplug Cable is working properly |  |
| "RAID Card""RAID Card" | S.M.A.R.T. status verifyS.M.A.R.T. status verify | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly |  |
| "RAID Card""RAID Card" | S.M.A.R.T. status verifyS.M.A.R.T. status verify | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly | Check SMART error HDD if warning/alarm work properlyCheck SMART error HDD if warning/alarm work properly |  |

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| 5. HBA Card Test5. HBA Card Test | 5. HBA Card Test5. HBA Card Test | 5. HBA Card Test5. HBA Card Test | 5. HBA Card Test5. HBA Card Test | 5. HBA Card Test5. HBA Card Test |
| HBA CardHBA Card |  | DriverDriver |  |  |
| Power HousingPower Housing |  |  |  |  |
| Power ModulePower Module |  |  |  |  |
| 5.1 "HBA Card" with SAS 12G HDD Config5.1 "HBA Card" with SAS 12G HDD Config | 5.1 "HBA Card" with SAS 12G HDD Config5.1 "HBA Card" with SAS 12G HDD Config | 5.1 "HBA Card" with SAS 12G HDD Config5.1 "HBA Card" with SAS 12G HDD Config | 5.1 "HBA Card" with SAS 12G HDD Config5.1 "HBA Card" with SAS 12G HDD Config | 5.1 "HBA Card" with SAS 12G HDD Config5.1 "HBA Card" with SAS 12G HDD Config |
| SAS 12G configuration**SAS 12G configuration** | SAS 12G configuration**SAS 12G configuration** | SAS 12G configuration**SAS 12G configuration** | SAS 12G configuration**SAS 12G configuration** | SAS 12G configuration**SAS 12G configuration** |
| HBA FunctionHBA Function | Test ProcedureTest Procedure | CriteriaCriteria | CriteriaCriteria | ResultResult |
| "HBA Card""HBA Card" | Perform "HBA Card" BIOS utility to verify HDD information.Perform "HBA Card" BIOS utility to verify HDD information. | All hard drives can be detected by "HBA Card" BIOS utility.All hard drives can be detected by "HBA Card" BIOS utility. | All hard drives can be detected by "HBA Card" BIOS utility.All hard drives can be detected by "HBA Card" BIOS utility. |  |
| "HBA Card""HBA Card" | Perform Disk management of OS to verify HDD information.Perform Disk management of OS to verify HDD information. | All hard drives can be detected by OS Disk management.All hard drives can be detected by OS Disk management. | All hard drives can be detected by OS Disk management.All hard drives can be detected by OS Disk management. |  |
| "HBA Card""HBA Card" | After stress test verify enclosure information.After stress test verify enclosure information. | Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| 5.2 "HBA Card" with SAS 6G HDD Config5.2 "HBA Card" with SAS 6G HDD Config | 5.2 "HBA Card" with SAS 6G HDD Config5.2 "HBA Card" with SAS 6G HDD Config | 5.2 "HBA Card" with SAS 6G HDD Config5.2 "HBA Card" with SAS 6G HDD Config | 5.2 "HBA Card" with SAS 6G HDD Config5.2 "HBA Card" with SAS 6G HDD Config | 5.2 "HBA Card" with SAS 6G HDD Config5.2 "HBA Card" with SAS 6G HDD Config |
| SAS 6G configuration**SAS 6G configuration** | SAS 6G configuration**SAS 6G configuration** | SAS 6G configuration**SAS 6G configuration** | SAS 6G configuration**SAS 6G configuration** | SAS 6G configuration**SAS 6G configuration** |
| HBA FunctionHBA Function | Test ProcedureTest Procedure | CriteriaCriteria | CriteriaCriteria | ResultResult |
| "HBA Card""HBA Card" | Perform "HBA Card" BIOS utility to verify HDD information.Perform "HBA Card" BIOS utility to verify HDD information. | All hard drives can be detected by "HBA Card" BIOS utility.All hard drives can be detected by "HBA Card" BIOS utility. | All hard drives can be detected by "HBA Card" BIOS utility.All hard drives can be detected by "HBA Card" BIOS utility. |  |
| "HBA Card""HBA Card" | Perform Disk management of OS to verify HDD information.Perform Disk management of OS to verify HDD information. | All hard drives can be detected by OS Disk management.All hard drives can be detected by OS Disk management. | All hard drives can be detected by OS Disk management.All hard drives can be detected by OS Disk management. |  |
| "HBA Card""HBA Card" | After stress test verify enclosure information.After stress test verify enclosure information. | Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |
| 5.3 "HBA Card" with SATA 6G HDD Config5.3 "HBA Card" with SATA 6G HDD Config | 5.3 "HBA Card" with SATA 6G HDD Config5.3 "HBA Card" with SATA 6G HDD Config | 5.3 "HBA Card" with SATA 6G HDD Config5.3 "HBA Card" with SATA 6G HDD Config | 5.3 "HBA Card" with SATA 6G HDD Config5.3 "HBA Card" with SATA 6G HDD Config | 5.3 "HBA Card" with SATA 6G HDD Config5.3 "HBA Card" with SATA 6G HDD Config |
| SATA 6G configuration**SATA 6G configuration** | SATA 6G configuration**SATA 6G configuration** | SATA 6G configuration**SATA 6G configuration** | SATA 6G configuration**SATA 6G configuration** | SATA 6G configuration**SATA 6G configuration** |
| HBA FunctionHBA Function | Test ProcedureTest Procedure | CriteriaCriteria | CriteriaCriteria | ResultResult |
| "HBA Card""HBA Card" | Perform "HBA Card" BIOS utility to verify HDD information.Perform "HBA Card" BIOS utility to verify HDD information. | All hard drives can be detected by "HBA Card" BIOS utility.All hard drives can be detected by "HBA Card" BIOS utility. | All hard drives can be detected by "HBA Card" BIOS utility.All hard drives can be detected by "HBA Card" BIOS utility. |  |
| "HBA Card""HBA Card" | Perform Disk management of OS to verify HDD information.Perform Disk management of OS to verify HDD information. | All hard drives can be detected by OS Disk management.All hard drives can be detected by OS Disk management. | All hard drives can be detected by OS Disk management.All hard drives can be detected by OS Disk management. |  |
| "HBA Card""HBA Card" | After stress test verify enclosure information.After stress test verify enclosure information. | Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 | Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7Check Item: (CLI read) 1. sg\_ses --page=0x2 2. sg\_ses --page=0x7 |  |

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| 6. BMC Function Test6. BMC Function Test | 6. BMC Function Test6. BMC Function Test | 6. BMC Function Test6. BMC Function Test |
| ItemItem | Vendor / ModelVendor / Model | DetailDetail |
| Web BrowserWeb Browser |  |  |
| Web BrowserWeb Browser |  |  |

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| 6.1 Feature (by RR6 code base)6.1 Feature (by RR6 code base) | 6.1 Feature (by RR6 code base)6.1 Feature (by RR6 code base) | 6.1 Feature (by RR6 code base)6.1 Feature (by RR6 code base) |
| NO.**NO.** | Test Items**Test Items** | Result**Result** |
| 11 | BMC WEB UI Login function check / mis-operation checkBMC WEB UI Login function check / mis-operation check |  |
| 22 | Forgot Password function check / mis-operation checkForgot Password function check / mis-operation check |  |
| 33 | Device Information check (FW name/version)Device Information check (FW name/version) |  |
| 44 | Network Information checkNetwork Information check |  |
| 55 | Basic IOL connection checkBasic IOL connection check |  |
| 66 | Basic SOL connection checkBasic SOL connection check |  |
| 77 | Check sensors name accuracyCheck sensors name accuracy |  |
| 88 | Check webpage logo(AIC)Check webpage logo(AIC) |  |
| 1010 | FRU data Accuracy checkFRU data Accuracy check |  |
| 1212 | Hard Disk Manager: SAS-12G HDD Config, 30 times power on/off by primary BMCHard Disk Manager: SAS-12G HDD Config, 30 times power on/off by primary BMC |  |
| 1313 | Hard Disk Manager: SAS-12G HDD Config, 30 times power on/off by secondary BMCHard Disk Manager: SAS-12G HDD Config, 30 times power on/off by secondary BMC |  |
| 1414 | Hard Disk Manager: SAS - 6G HDD Config, 30 times power on/off by primary BMCHard Disk Manager: SAS - 6G HDD Config, 30 times power on/off by primary BMC |  |
| 1515 | Hard Disk Manager: SAS - 6G HDD Config, 30 times power on/off by secondary BMCHard Disk Manager: SAS - 6G HDD Config, 30 times power on/off by secondary BMC |  |
| 1616 | Hard Disk Manager: SATA-6G HDD Config, 10 times power on/off by primary BMCHard Disk Manager: SATA-6G HDD Config, 10 times power on/off by primary BMC |  |
| 1717 | Hard Disk Manager LED are Green statusHard Disk Manager LED are Green status |  |
| 1818 | Hard Disk Manager LED are Gray statusHard Disk Manager LED are Gray status |  |
| 1919 | Hard Disk Manager LED are red statusHard Disk Manager LED are red status |  |
| 2020 | Hard Disk Manager LED are blue statusHard Disk Manager LED are blue status |  |
| 2121 | BMC Card Fail LED be turn on by Fan\_0BMC Card Fail LED be turn on by Fan\_0 |  |
| 2222 | BMC Card Fail LED be turn off by Fan\_0BMC Card Fail LED be turn off by Fan\_0 |  |
| 2323 | BMC Card Fail LED be turn on by Fan\_1BMC Card Fail LED be turn on by Fan\_1 |  |
| 2424 | BMC Card Fail LED be turn off by Fan\_1BMC Card Fail LED be turn off by Fan\_1 |  |
| 2525 | BMC Card Fail LED be turn on by Temp0BMC Card Fail LED be turn on by Temp0 |  |
| 2626 | BMC Card Fail LED be turn off by Temp0BMC Card Fail LED be turn off by Temp0 |  |
| 2727 | BMC Card Fail LED be turn on by Temp1BMC Card Fail LED be turn on by Temp1 |  |
| 2828 | BMC Card Fail LED be turn off by Temp1BMC Card Fail LED be turn off by Temp1 |  |
| 2929 | BMC Card Fail LED be turn on by PSU1tempBMC Card Fail LED be turn on by PSU1temp |  |
| 3030 | BMC Card Fail LED be turn off by PSU1tempBMC Card Fail LED be turn off by PSU1temp |  |
| 3131 | BMC Card Fail LED be turn on by PSU2tempBMC Card Fail LED be turn on by PSU2temp |  |
| 3232 | BMC Card Fail LED be turn on by PSUt2empBMC Card Fail LED be turn on by PSUt2emp |  |
| 3333 | Fan\_0 sensor reading / Abnormal checkFan\_0 sensor reading / Abnormal check |  |
| 3434 | Fan\_1 sensor reading / Abnormal checkFan\_1 sensor reading / Abnormal check |  |
| 3535 | Temp0 sensor reading / Abnormal checkTemp0 sensor reading / Abnormal check |  |
| 3636 | Temp1 sensor reading / Abnormal checkTemp1 sensor reading / Abnormal check |  |
| 3737 | PSU1\_status sensor reading / Abnormal checkPSU1\_status sensor reading / Abnormal check |  |
| 3838 | PSU2\_status sensor reading / Abnormal checkPSU2\_status sensor reading / Abnormal check |  |
| 3939 | PS\_Watt sensor reading / Abnormal checkPS\_Watt sensor reading / Abnormal check |  |
| 4040 | PSU1\_temp sensor reading / Abnormal checkPSU1\_temp sensor reading / Abnormal check |  |
| 4141 | PSU2\_temp sensor reading / Abnormal checkPSU2\_temp sensor reading / Abnormal check |  |
| 4242 | Watchdog1 sensor reading / Abnormal checkWatchdog1 sensor reading / Abnormal check |  |
| 4343 | BMC SEL event log be record by Fan\_0BMC SEL event log be record by Fan\_0 |  |
| 4444 | BMC SEL event log be record by Fan\_1BMC SEL event log be record by Fan\_1 |  |
| 4646 | BMC SEL event log be record by Temp0BMC SEL event log be record by Temp0 |  |
| 4646 | BMC SEL event log be record by Temp1BMC SEL event log be record by Temp1 |  |
| 4747 | BMC SEL event log be record by PSU1\_statusBMC SEL event log be record by PSU1\_status |  |
| 4848 | BMC SEL event log be record by PSU2\_statusBMC SEL event log be record by PSU2\_status |  |
| 4949 | BMC SEL event log be record by PSUtemp1BMC SEL event log be record by PSUtemp1 |  |
| 5050 | BMC SEL event log be record by PSUtemp2BMC SEL event log be record by PSUtemp2 |  |
| 5151 | PS1\_Fan Fail SDR valuePS1\_Fan Fail SDR value |  |
| 5252 | PS1\_Un-Present SDR valuePS1\_Un-Present SDR value |  |
| 5353 | PS2\_Fan Fail SDR valuePS2\_Fan Fail SDR value |  |
| 5454 | PS2\_Un-Present SDR valuePS2\_Un-Present SDR value |  |
| 5555 | PS1\_Fan event checkPS1\_Fan event check |  |
| 5656 | PS1\_Present event checkPS1\_Present event check |  |
| 5757 | PS2\_Fan event checkPS2\_Fan event check |  |
| 5858 | PS2\_Present event checkPS2\_Present event check |  |
| 5959 | PS1\_Fan Power Fault LED(ON) (Red & Buzzer)PS1\_Fan Power Fault LED(ON) (Red & Buzzer) |  |
| 6060 | PS1\_Fan Power Fault LED(OFF)PS1\_Fan Power Fault LED(OFF) |  |
| 6161 | PS2\_Fan Power Fault LED(ON) (Red & Buzzer)PS2\_Fan Power Fault LED(ON) (Red & Buzzer) |  |
| 6262 | PS2\_Fan Power Fault LED(OFF)PS2\_Fan Power Fault LED(OFF) |  |
| 6363 | PS1\_ Present Fault LED(ON) (Red & Buzzer)PS1\_ Present Fault LED(ON) (Red & Buzzer) |  |
| 6464 | PS1\_ Present Fault LED(OFF)PS1\_ Present Fault LED(OFF) |  |
| 6565 | PS2\_ Present Fault LED(ON) (Red & Buzzer)PS2\_ Present Fault LED(ON) (Red & Buzzer) |  |
| 6666 | PS2\_ Present Fault LED(OFF)PS2\_ Present Fault LED(OFF) |  |
| 6767 | Fan0 Fail 30 times event checkFan0 Fail 30 times event check |  |
| 6868 | Fan1 Fail 30 times event checkFan1 Fail 30 times event check |  |
| 6969 | Check Temp0 threshold 30 times and event checkCheck Temp0 threshold 30 times and event check |  |
| 7070 | Check Temp1 threshold 30 times and event checkCheck Temp1 threshold 30 times and event check |  |
| 7171 | PS1\_Fan Fail 30 times event checkPS1\_Fan Fail 30 times event check |  |
| 7272 | PS2\_Fan Fail 30 times event checkPS2\_Fan Fail 30 times event check |  |
| 7373 | PS1\_Present Fail 30 times event checkPS1\_Present Fail 30 times event check |  |
| 7474 | PS2\_Present Fail 30 times event checkPS2\_Present Fail 30 times event check |  |
| 7575 | DNS function checkDNS function check |  |
| 7676 | BMC Network setting checkBMC Network setting check |  |
| 7777 | Network Link checkNetwork Link check |  |
| 7878 | NTP setting checkNTP setting check |  |
| 7979 | PEF Management function checkPEF Management function check |  |
| 8080 | SMTP setting checkSMTP setting check |  |
| 8181 | Schedule setting checkSchedule setting check |  |
| 8282 | User Add/Remove/Modify setting checkUser Add/Remove/Modify setting check |  |
| 8383 | Master BMC DC power Cycling and check HDD quantities for 30 timesMaster BMC DC power Cycling and check HDD quantities for 30 times |  |
| 8484 | Secondary BMC DC power Cycling and check HDD quantities for 30 timesSecondary BMC DC power Cycling and check HDD quantities for 30 times |  |
| 8585 | Master BMC Reset Expander and check HDD quantities for 30 timesMaster BMC Reset Expander and check HDD quantities for 30 times |  |
| 8686 | Secondary BMC Reset Expander and check HDD quantities for 30 timesSecondary BMC Reset Expander and check HDD quantities for 30 times |  |
| 8787 | Master BMC Power on storage and check HDD quantities for 30 timesMaster BMC Power on storage and check HDD quantities for 30 times |  |
| 8888 | Secondary BMC Power on storage and check HDD quantities for 30 timesSecondary BMC Power on storage and check HDD quantities for 30 times |  |
| 8989 | Master BMC Power off storage and check HDD quantities for 30 timesMaster BMC Power off storage and check HDD quantities for 30 times |  |
| 9090 | Secondary BMC Power off storage and check HDD quantities for 30 timesSecondary BMC Power off storage and check HDD quantities for 30 times |  |
| 9191 | JAVA SOL Function checkJAVA SOL Function check |  |
| 9292 | Print function checkPrint function check |  |
| 9393 | Logout function checkLogout function check |  |
| 9494 | Refresh function checkRefresh function check |  |
| 9595 | User login name check / Abnormal checkUser login name check / Abnormal check |  |
| 9696 | Help function checkHelp function check |  |
| 9797 | BMC Firmware update function check / Abnormal checkBMC Firmware update function check / Abnormal check |  |
| 9898 | Expander Firmware update function check / Abnormal checkExpander Firmware update function check / Abnormal check |  |
| 9999 | Protocol Configuration function checkProtocol Configuration function check |  |
| 100100 | Master Hub card hot plug test 30 timesMaster Hub card hot plug test 30 times |  |
| 101101 | Secondary Hub card hot plug test 30 timesSecondary Hub card hot plug test 30 times |  |
| 102102 | Remote Control > ZONE Settings function checkRemote Control > ZONE Settings function check |  |
| 103103 | Expander update foolproof function on web / Abnormal checkExpander update foolproof function on web / Abnormal check |  |
| 104104 | HDD status page did refresh after the operationHDD status page did refresh after the operation |  |
| 105105 | Preserve configuration function check / Abnormal checkPreserve configuration function check / Abnormal check |  |
| 106106 | Event log contains of BMC DHCP/Static IPv4Event log contains of BMC DHCP/Static IPv4 |  |

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| 6.2 Feature (by RR12 code base)6.2 Feature (by RR12 code base) | 6.2 Feature (by RR12 code base)6.2 Feature (by RR12 code base) | 6.2 Feature (by RR12 code base)6.2 Feature (by RR12 code base) |
| NO.**NO.** | Test Items**Test Items** | Result**Result** |
| 6.2.1 Login Page function check6.2.1 Login Page function check | 6.2.1 Login Page function check6.2.1 Login Page function check | 6.2.1 Login Page function check6.2.1 Login Page function check |
| 11 | BMC WEB UI Login function check / mis-operation checkBMC WEB UI Login function check / mis-operation check |  |
| 22 | Forgot Password function check / mis-operation checkForgot Password function check / mis-operation check |  |
| 33 | Check webpage logo (AIC)Check webpage logo (AIC) |  |
| 6.2.2 Dashboard function check6.2.2 Dashboard function check | 6.2.2 Dashboard function check6.2.2 Dashboard function check | 6.2.2 Dashboard function check6.2.2 Dashboard function check |
| 44 | Login US EnglishLogin US English |  |
| 55 | Login China-中文(简体)Login China-中文(简体) |  |
| 66 | Login China-中文(正體)Login China-中文(正體) |  |
| 77 | BMC Firmware InformationBMC Firmware Information |  |
| 88 | Shrink edgeShrink edge |  |
| 99 | Display the messages receivedDisplay the messages received |  |
| 1010 | Display the notification receivedDisplay the notification received |  |
| 1111 | LanguageLanguage |  |
| 1212 | SyncSync |  |
| 1313 | RefreshRefresh |  |
| 1414 | ProfileProfile |  |
| 1515 | Sign outSign out |  |
| 1616 | Help ButtonHelp Button |  |
| 1414 | ProfileProfile |  |
| 1515 | Sign outSign out |  |
| 1616 | Help ButtonHelp Button |  |
| 6.2.3 Sensor function check6.2.3 Sensor function check | 6.2.3 Sensor function check6.2.3 Sensor function check | 6.2.3 Sensor function check6.2.3 Sensor function check |
| 1717 | Critical SensorsCritical Sensors |  |
| 1818 | Discrete Sensor StatesDiscrete Sensor States |  |
| 1919 | Normal SensorsNormal Sensors |  |
| 2020 | Help ButtonHelp Button |  |
| 6.2.4 FRU & PSU info check6.2.4 FRU & PSU info check | 6.2.4 FRU & PSU info check6.2.4 FRU & PSU info check | 6.2.4 FRU & PSU info check6.2.4 FRU & PSU info check |
| 2121 | FRU info checkFRU info check |  |
| 2222 | Help ButtonHelp Button |  |
| 2323 | FRU info checkFRU info check |  |
| 2424 | Help ButtonHelp Button |  |
| 6.2.5 Logs & Reports function check6.2.5 Logs & Reports function check | 6.2.5 Logs & Reports function check6.2.5 Logs & Reports function check | 6.2.5 Logs & Reports function check6.2.5 Logs & Reports function check |
| 2525 | IPMI Event logIPMI Event log |  |
| 2626 | Audit logAudit log |  |
| 2727 | Help ButtonHelp Button |  |
| 6.2.6 Setting function check6.2.6 Setting function check | 6.2.6 Setting function check6.2.6 Setting function check | 6.2.6 Setting function check6.2.6 Setting function check |
| 2828 | Data & TimeData & Time |  |
| 2929 | Log SettingLog Setting |  |
| 3030 | Network SettingsNetwork Settings |  |
| 3131 | Platform Event FilterPlatform Event Filter |  |
| 3232 | ServicesServices |  |
| 3333 | SMTP SettingSMTP Setting |  |
| 3434 | System FirewallSystem Firewall |  |
| 3535 | User ManagementUser Management |  |
| 3636 | Power Restore PolicyPower Restore Policy |  |
| 3737 | Help ButtonHelp Button |  |
| 6.2.8 Remote Control function check6.2.8 Remote Control function check | 6.2.8 Remote Control function check6.2.8 Remote Control function check | 6.2.8 Remote Control function check6.2.8 Remote Control function check |
| 3838 | Serial Over LANSerial Over LAN |  |
| 3939 | Help ButtonHelp Button |  |
| 6.2.9 Chassis Identify function check6.2.9 Chassis Identify function check | 6.2.9 Chassis Identify function check6.2.9 Chassis Identify function check | 6.2.9 Chassis Identify function check6.2.9 Chassis Identify function check |
| 4040 | Chassis Identify OffChassis Identify Off |  |
| 4141 | Chassis Identify OnChassis Identify On |  |
| 4242 | Help ButtonHelp Button |  |
| 6.2.10 HDD Management function check6.2.10 HDD Management function check | 6.2.10 HDD Management function check6.2.10 HDD Management function check | 6.2.10 HDD Management function check6.2.10 HDD Management function check |
| 4343 | HDD Power OnHDD Power On |  |
| 4444 | HDD Power OffHDD Power Off |  |
| 4545 | HDD Status is Normal, Color is GreenHDD Status is Normal, Color is Green |  |
| 4646 | HDD Status is Abnormal, Color is RedHDD Status is Abnormal, Color is Red |  |
| 4747 | HDD Status is Not support, Color is OrangeHDD Status is Not support, Color is Orange |  |
| 4848 | HDD Status is Absence, Color is GrayHDD Status is Absence, Color is Gray |  |
| 4949 | HDD Status is Presence/power off, Color is Light BlueHDD Status is Presence/power off, Color is Light Blue |  |
| 5050 | HDD Status is Bad HDD, Color is PurpleHDD Status is Bad HDD, Color is Purple |  |
| 5151 | Help ButtonHelp Button |  |
| 6.2.11 Power Control function check6.2.11 Power Control function check | 6.2.11 Power Control function check6.2.11 Power Control function check | 6.2.11 Power Control function check6.2.11 Power Control function check |
| 5353 | Power OffPower Off |  |
| 5454 | Power OnPower On |  |
| 5555 | Power CyclePower Cycle |  |
| 5656 | Hard ResetHard Reset |  |
| 5757 | Help ButtonHelp Button |  |
| 6.2.12 Maintenance function check6.2.12 Maintenance function check | 6.2.12 Maintenance function check6.2.12 Maintenance function check | 6.2.12 Maintenance function check6.2.12 Maintenance function check |
| 5858 | Backup ConfigurationBackup Configuration |  |
| 5959 | Firmware Image LocationFirmware Image Location |  |
| 6060 | BMC Firmware InformationBMC Firmware Information |  |
| 6161 | BMC Firmware UpdateBMC Firmware Update |  |
| 6262 | Preserve ConfigurationPreserve Configuration |  |
| 6363 | Restore ConfigurationRestore Configuration |  |
| 6464 | Restore Factory DefaultsRestore Factory Defaults |  |
| 6565 | System AdministratorSystem Administrator |  |
| 6666 | Expander UpdateExpander Update |  |
| 6767 | CPLD Firmware UpdateCPLD Firmware Update |  |
| 6868 | BMC ResetBMC Reset |  |
| 6969 | Sign OutSign Out |  |
| 7070 | Help ButtonHelp Button |  |
| 6.2.13 Expander BMC Console6.2.13 Expander BMC Console | 6.2.13 Expander BMC Console6.2.13 Expander BMC Console | 6.2.13 Expander BMC Console6.2.13 Expander BMC Console |
| 7171 | BMC Console function checkBMC Console function check |  |

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| 6.3 Redfish6.3 Redfish | 6.3 Redfish6.3 Redfish | 6.3 Redfish6.3 Redfish | 6.3 Redfish6.3 Redfish | 6.3 Redfish6.3 Redfish |
| ItemItem | ItemItem | Vender / ModelVender / Model | DetailDetail | DetailDetail |
| RESTful interfaceRESTful interface | RESTful interfaceRESTful interface | PostmanPostman | v8.6.1v8.6.1 | v8.6.1v8.6.1 |
| NO.**NO.** | Test Items**Test Items** | Test Items**Test Items** | Test Items**Test Items** | Result**Result** |
| NO.**NO.** | NO.**NO.** | Test Items**Test Items** | Result**Result** | Result**Result** |
| 6.3.1 AccountService6.3.1 AccountService | 6.3.1 AccountService6.3.1 AccountService | 6.3.1 AccountService6.3.1 AccountService | 6.3.1 AccountService6.3.1 AccountService | 6.3.1 AccountService6.3.1 AccountService |
| 11 | [PATCH] Change Password[PATCH] Change Password | [PATCH] Change Password[PATCH] Change Password | [PATCH] Change Password[PATCH] Change Password |  |
| 22 | [GET] Account 1 instance[GET] Account 1 instance | [GET] Account 1 instance[GET] Account 1 instance | [GET] Account 1 instance[GET] Account 1 instance |  |
| 6.3.2 Chassis6.3.2 Chassis | 6.3.2 Chassis6.3.2 Chassis | 6.3.2 Chassis6.3.2 Chassis | 6.3.2 Chassis6.3.2 Chassis | 6.3.2 Chassis6.3.2 Chassis |
| 33 | [GET] Chassis collection[GET] Chassis collection | [GET] Chassis collection[GET] Chassis collection | [GET] Chassis collection[GET] Chassis collection |  |
| 44 | [GET] Chassis self[GET] Chassis self | [GET] Chassis self[GET] Chassis self | [GET] Chassis self[GET] Chassis self |  |
| 55 | [GET] Sensor Reading[GET] Sensor Reading | [GET] Sensor Reading[GET] Sensor Reading | [GET] Sensor Reading[GET] Sensor Reading |  |
| 66 | [GET] Sensor Power[GET] Sensor Power | [GET] Sensor Power[GET] Sensor Power | [GET] Sensor Power[GET] Sensor Power |  |
| 77 | [POST] Chassis Power On[POST] Chassis Power On | [POST] Chassis Power On[POST] Chassis Power On | [POST] Chassis Power On[POST] Chassis Power On |  |
| 88 | [PATCH] Blink ID LED[PATCH] Blink ID LED | [PATCH] Blink ID LED[PATCH] Blink ID LED | [PATCH] Blink ID LED[PATCH] Blink ID LED |  |
| 6.3.3 Chassis/Expander6.3.3 Chassis/Expander | 6.3.3 Chassis/Expander6.3.3 Chassis/Expander | 6.3.3 Chassis/Expander6.3.3 Chassis/Expander | 6.3.3 Chassis/Expander6.3.3 Chassis/Expander | 6.3.3 Chassis/Expander6.3.3 Chassis/Expander |
| 99 | [GET] Expander Instance[GET] Expander Instance | [GET] Expander Instance[GET] Expander Instance | [GET] Expander Instance[GET] Expander Instance |  |
| 1010 | [POST] HDD Control[POST] HDD Control | [POST] HDD Control[POST] HDD Control | [POST] HDD Control[POST] HDD Control |  |
| 1111 | [GET] HDD Control ActionInfo[GET] HDD Control ActionInfo | [GET] HDD Control ActionInfo[GET] HDD Control ActionInfo | [GET] HDD Control ActionInfo[GET] HDD Control ActionInfo |  |
| 6.3.4 Systems6.3.4 Systems | 6.3.4 Systems6.3.4 Systems | 6.3.4 Systems6.3.4 Systems | 6.3.4 Systems6.3.4 Systems | 6.3.4 Systems6.3.4 Systems |
| 1212 | [GET] System Self[GET] System Self | [GET] System Self[GET] System Self | [GET] System Self[GET] System Self |  |
| 1313 | [POST] System Power On[POST] System Power On | [POST] System Power On[POST] System Power On | [POST] System Power On[POST] System Power On |  |
| 1414 | [POST] System Power Off[POST] System Power Off | [POST] System Power Off[POST] System Power Off | [POST] System Power Off[POST] System Power Off |  |
| 1515 | [PATCH] Blink ID LED[PATCH] Blink ID LED | [PATCH] Blink ID LED[PATCH] Blink ID LED | [PATCH] Blink ID LED[PATCH] Blink ID LED |  |
| 1616 | [PATCH] Power restore policy[PATCH] Power restore policy | [PATCH] Power restore policy[PATCH] Power restore policy | [PATCH] Power restore policy[PATCH] Power restore policy |  |
| 6.3.5 Managers6.3.5 Managers | 6.3.5 Managers6.3.5 Managers | 6.3.5 Managers6.3.5 Managers | 6.3.5 Managers6.3.5 Managers | 6.3.5 Managers6.3.5 Managers |
| 1717 | [GET] Managers Self[GET] Managers Self | [GET] Managers Self[GET] Managers Self | [GET] Managers Self[GET] Managers Self |  |
| 1818 | [GET] Managers LogServices[GET] Managers LogServices | [GET] Managers LogServices[GET] Managers LogServices | [GET] Managers LogServices[GET] Managers LogServices |  |
| 1919 | [GET] LogServices SEL[GET] LogServices SEL | [GET] LogServices SEL[GET] LogServices SEL | [GET] LogServices SEL[GET] LogServices SEL |  |
| 2020 | [GET] SEL Entries[GET] SEL Entries | [GET] SEL Entries[GET] SEL Entries | [GET] SEL Entries[GET] SEL Entries |  |
| 2121 | [GET] Managers Serial Interfaces[GET] Managers Serial Interfaces | [GET] Managers Serial Interfaces[GET] Managers Serial Interfaces | [GET] Managers Serial Interfaces[GET] Managers Serial Interfaces |  |
| 2222 | [GET] Managers Network Protocol[GET] Managers Network Protocol | [GET] Managers Network Protocol[GET] Managers Network Protocol | [GET] Managers Network Protocol[GET] Managers Network Protocol |  |
| 2323 | [GET] Managers Ethernet Interfaces[GET] Managers Ethernet Interfaces | [GET] Managers Ethernet Interfaces[GET] Managers Ethernet Interfaces | [GET] Managers Ethernet Interfaces[GET] Managers Ethernet Interfaces |  |
| 6.3.6 JsonSchemas6.3.6 JsonSchemas | 6.3.6 JsonSchemas6.3.6 JsonSchemas | 6.3.6 JsonSchemas6.3.6 JsonSchemas | 6.3.6 JsonSchemas6.3.6 JsonSchemas | 6.3.6 JsonSchemas6.3.6 JsonSchemas |
| 2424 | [GET] Json Schema[GET] Json Schema | [GET] Json Schema[GET] Json Schema | [GET] Json Schema[GET] Json Schema |  |
| 6.3.7 UpdateService6.3.7 UpdateService | 6.3.7 UpdateService6.3.7 UpdateService | 6.3.7 UpdateService6.3.7 UpdateService | 6.3.7 UpdateService6.3.7 UpdateService | 6.3.7 UpdateService6.3.7 UpdateService |
| 2525 | [POST] Simple Update BMC Fw via HTTP[POST] Simple Update BMC Fw via HTTP | [POST] Simple Update BMC Fw via HTTP[POST] Simple Update BMC Fw via HTTP | [POST] Simple Update BMC Fw via HTTP[POST] Simple Update BMC Fw via HTTP |  |
| 2626 | [POST] Upload BMC Firmware[POST] Upload BMC Firmware | [POST] Upload BMC Firmware[POST] Upload BMC Firmware | [POST] Upload BMC Firmware[POST] Upload BMC Firmware |  |
| 2727 | [POST] BMC Fw Update with Full type[POST] BMC Fw Update with Full type | [POST] BMC Fw Update with Full type[POST] BMC Fw Update with Full type | [POST] BMC Fw Update with Full type[POST] BMC Fw Update with Full type |  |
| 2828 | [GET] BMC Fw Update ActionInfo[GET] BMC Fw Update ActionInfo | [GET] BMC Fw Update ActionInfo[GET] BMC Fw Update ActionInfo | [GET] BMC Fw Update ActionInfo[GET] BMC Fw Update ActionInfo |  |

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| --- | --- | --- |
| 7. Power Consumption Measurement7. Power Consumption Measurement | 7. Power Consumption Measurement7. Power Consumption Measurement | 7. Power Consumption Measurement7. Power Consumption Measurement |
| Power HousingPower Housing |  |  |
| Power ModulePower Module |  |  |
| AC Input (V/f/A)AC Input (V/f/A) | 100-127V, 50/60HZ, 10.0A100-127V, 50/60HZ, 10.0A | 100-127V, 50/60HZ, 10.0A100-127V, 50/60HZ, 10.0A |
| DC Output (V/A)DC Output (V/A) | +12.0V---66.7A +12Vsb---3.0A+12.0V---66.7A | +12.0V---66.7A +12Vsb---3.0A+12.0V---66.7A |
| Total Output Power (max.)Total Output Power (max.) |  |  |
| Test EquipmentTest Equipment | DC SourceDC Source | DC SourceDC Source |
| Stress ToolsStress Tools | IOMeter Configurations: Random Read/Write: Test Time: xx minute Transfer Request Size(Bytes): Outstanding I/O:IOMeter Configurations: | IOMeter Configurations: Random Read/Write: Test Time: xx minute Transfer Request Size(Bytes): Outstanding I/O:IOMeter Configurations: |
| 7.1 JBOD Power Consumption Measure for SAS HDD7.1 JBOD Power Consumption Measure for SAS HDD | 7.1 JBOD Power Consumption Measure for SAS HDD7.1 JBOD Power Consumption Measure for SAS HDD | 7.1 JBOD Power Consumption Measure for SAS HDD7.1 JBOD Power Consumption Measure for SAS HDD |
| Test ModeTest Mode | PSU Module of Q'tyPSU Module of Q'ty | W (Watt)W (Watt) |
| Boot Up Mode (Max.)Boot Up Mode (Max.) | Module\*2Module\*2 | 961.4961.4 |
| Boot Up Mode (Max.)Boot Up Mode (Max.) | Module\*1(L)Module\*1(L) | 954.8954.8 |
| Boot Up Mode (Max.)Boot Up Mode (Max.) | Module\*1(R)Module\*1(R) | 873.4873.4 |
| Idle ModeIdle Mode | Module\*2Module\*2 | 776.6776.6 |
| Idle ModeIdle Mode | Module\*1(L)Module\*1(L) | 770770 |
| Idle ModeIdle Mode | Module\*1(R)Module\*1(R) | 772.2772.2 |
| Full Loading Mode: Iometer(Read 100%)Full Loading Mode: | Module\*2Module\*2 | 941.6941.6 |
| Full Loading Mode: Iometer(Read 100%)Full Loading Mode: | Module\*1(L)Module\*1(L) | 946946 |
| Full Loading Mode: Iometer(Read 100%)Full Loading Mode: | Module\*1(R)Module\*1(R) | 948.2948.2 |
| Full Loading Mode: Iometer(Write 100%)Full Loading Mode: | Module\*2Module\*2 | 858858 |
| Full Loading Mode: Iometer(Write 100%)Full Loading Mode: | Module\*1(L)Module\*1(L) | 858858 |
| Full Loading Mode: Iometer(Write 100%)Full Loading Mode: | Module\*1(R)Module\*1(R) | 855.8855.8 |
| Without HDD/SSD DevicesWithout HDD/SSD Devices | Module\*2Module\*2 | 281.6281.6 |
| Without HDD/SSD DevicesWithout HDD/SSD Devices | Module\*1(L)Module\*1(L) | 275275 |
| Without HDD/SSD DevicesWithout HDD/SSD Devices | Module\*1(R)Module\*1(R) | 275275 |

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| 8. Summary8. Summary | 8. Summary8. Summary | 8. Summary8. Summary |
| Item**Item** | Descriptions**Descriptions** | Result**Result** |
| Redundant Power ModuleRedundant Power Module | Hot-swap PSU under 'power on' state, check fail LED, beeper, and console status that can work properly.Hot-swap PSU under 'power on' state, check fail LED, beeper, and console status that can work properly. |  |
| Redundant Power ModuleRedundant Power Module | Power cord interrupt, check fail led, beeper, and console status that can work properly.Power cord interrupt, check fail led, beeper, and console status that can work properly. |  |
| Redundant Power ModuleRedundant Power Module | PSU status under GUI that can work properly.PSU status under GUI that can work properly. |  |
| Redundant Power ModuleRedundant Power Module | PSU status under console that can work properly.PSU status under console that can work properly. |  |
| System FanSystem Fan | Remove the fan ten times, check fail led, GUI, and console status that can work properly.Remove the fan ten times, check fail led, GUI, and console status that can work properly. |  |
| System FanSystem Fan | Fan status under GUI that can work properly.Fan status under GUI that can work properly. |  |
| System FanSystem Fan | Fan status under console that can work properly.Fan status under console that can work properly. |  |
| System FanSystem Fan | For Smart Fan feature, if temperature upgrade, the rotational speed of fan was increased (depend on spec.) that can work properly.For Smart Fan feature, if temperature upgrade, the rotational speed of fan was increased (depend on spec.) that can work properly. |  |
| ExpanderExpander | Check PHY state and negotiated link speed; confirm the PHY contents with actual HDD configuration are correct.Check PHY state and negotiated link speed; confirm the PHY contents with actual HDD configuration are correct. |  |
| ExpanderExpander | Up connector is correct with substrate type.Up connector is correct with substrate type. |  |
| ExpanderExpander | Down connectors were correct with table type.Down connectors were correct with table type. |  |
| Burn-in TestBurn-in Test | Adjust conf. to 100% read (in Iometer); the function can work properly after burn-in test.Adjust conf. to 100% read (in Iometer); the function can work properly after burn-in test. |  |
| Burn-in TestBurn-in Test | Adjust conf. to 100% write (in Iometer); the function can work properly after burn-in test.Adjust conf. to 100% write (in Iometer); the function can work properly after burn-in test. |  |
| LED FunctionLED Function | Power LED blue, support enclosure ID that can display as spec. defined.Power LED blue, support enclosure ID that can display as spec. defined. |  |
| LED FunctionLED Function | PSU alarm LED that can display as spec. defined.PSU alarm LED that can display as spec. defined. |  |
| LED FunctionLED Function | Temperature LED Red, that can display as spec. defined.Temperature LED Red, that can display as spec. defined. |  |
| LED FunctionLED Function | FAN failed LED Red that can display as spec. defined.FAN failed LED Red that can display as spec. defined. |  |
| LED FunctionLED Function | HDD failed LED that can display as spec. defined.HDD failed LED that can display as spec. defined. |  |
| LED FunctionLED Function | HDD accessed LED that can display as spec. defined.HDD accessed LED that can display as spec. defined. |  |
| LED FunctionLED Function | System Fail LED Red, that can display as spec. defined.System Fail LED Red, that can display as spec. defined. |  |
| Mute ButtonMute Button | Hot swap the power module ten times (Redundant) and warning sound can be stopped by mute button.Hot swap the power module ten times (Redundant) and warning sound can be stopped by mute button. |  |
| Mute ButtonMute Button | Hot swap the fan module ten times, and warning sound can be stopped by mute button.Hot swap the fan module ten times, and warning sound can be stopped by mute button. |  |
| Mute ButtonMute Button | Temperature was detected over default alarm value (over 55 degrees centigrade), and warning sound can be stopped by mute button.Temperature was detected over default alarm value (over 55 degrees centigrade), and warning sound can be stopped by mute button. |  |
| Firmware UpgradeFirmware Upgrade | Upgrade via debug port, it can be done successfully.Upgrade via debug port, it can be done successfully. |  |
| Firmware UpgradeFirmware Upgrade | Upgrade via console port, it can be done successfully.Upgrade via console port, it can be done successfully. |  |
| Temperature SensorTemperature Sensor | T1, T2, warning, Alarm value configuration setting, that statuses are showing normally.T1, T2, warning, Alarm value configuration setting, that statuses are showing normally. |  |
| Temperature SensorTemperature Sensor | Temperature detected status under GUI that statuses are showing normally.Temperature detected status under GUI that statuses are showing normally. |  |
| Temperature SensorTemperature Sensor | Temperature detected status under HyperTerminal that statuses are showing normally.Temperature detected status under HyperTerminal that statuses are showing normally. |  |
| Temperature SensorTemperature Sensor | Break through alarm value, then the fail led will light up, that statuses are showing normally.Break through alarm value, then the fail led will light up, that statuses are showing normally. |  |
| Temperature SensorTemperature Sensor | Break through alarm value, RPM of fan is the highest, that statuses are showing normally.Break through alarm value, RPM of fan is the highest, that statuses are showing normally. |  |
| SES Lighting SignalSES Lighting Signal | Request OKRequest OK |  |
| SES Lighting SignalSES Lighting Signal | Request RSVD deviceRequest RSVD device |  |
| SES Lighting SignalSES Lighting Signal | Request hot spareRequest hot spare |  |
| SES Lighting SignalSES Lighting Signal | Request consistency checkRequest consistency check |  |
| SES Lighting SignalSES Lighting Signal | Request in critical arrayRequest in critical array |  |
| SES Lighting SignalSES Lighting Signal | Request in failed arrayRequest in failed array |  |
| SES Lighting SignalSES Lighting Signal | Request rebuild/ remapRequest rebuild/ remap |  |
| SES Lighting SignalSES Lighting Signal | Request rebuild/ remap abortedRequest rebuild/ remap aborted |  |
| SES Lighting SignalSES Lighting Signal | Request activeRequest active |  |
| SES Lighting SignalSES Lighting Signal | Request do not removeRequest do not remove |  |
| SES Lighting SignalSES Lighting Signal | Request device missing indicationRequest device missing indication |  |
| SES Lighting SignalSES Lighting Signal | Request insertRequest insert |  |
| SES Lighting SignalSES Lighting Signal | Request removalRequest removal |  |
| SES Lighting SignalSES Lighting Signal | Request identifyRequest identify |  |
| SES Lighting SignalSES Lighting Signal | Request fault indicationRequest fault indication |  |
| SES Lighting SignalSES Lighting Signal | Request device offRequest device off |  |
| SES Lighting SignalSES Lighting Signal | Request CanisterRequest Canister |  |
| SES Lighting SignalSES Lighting Signal | Request Power supply offRequest Power supply off |  |
| SES Lighting SignalSES Lighting Signal | Request PRD failRequest PRD fail |  |
| JBOD RemoteJBOD Remote | Use sg\_utils to shutdown UUT under Linux that function can work properly.Use sg\_utils to shutdown UUT under Linux that function can work properly. |  |
| JBOD RemoteJBOD Remote | Remote JBOD power on that function can work properly.Remote JBOD power on that function can work properly. |  |
| JBOD RemoteJBOD Remote | Remote JBOD power off, that function can work properly.Remote JBOD power off, that function can work properly. |  |
| Shake TestShake Test | Bend the SFF-8644 cable that the PHY status is showing normally.Bend the SFF-8644 cable that the PHY status is showing normally. |  |
| Shake TestShake Test | Shaking cable around the SFF-8644 junction that the PHY status is showing normally.Shaking cable around the SFF-8644 junction that the PHY status is showing normally. |  |
| HDD Hot-swapHDD Hot-swap | Plug-in HDD that JBOD function can work properly.Plug-in HDD that JBOD function can work properly. |  |
| HDD Hot-swapHDD Hot-swap | Remove HDD that JBOD function can work properly.Remove HDD that JBOD function can work properly. |  |
| External 8644 Hot-swapExternal 8644 Hot-swap | Plug-in external 8644 that JBOD function can work properly.Plug-in external 8644 that JBOD function can work properly. |  |
| External 8644 Hot-swapExternal 8644 Hot-swap | Remove external 8644 that JBOD function can work properly.Remove external 8644 that JBOD function can work properly. |  |
| Expander hot-swapExpander hot-swap | Plug-in Expander that JBOD function can work properly.Plug-in Expander that JBOD function can work properly. |  |
| Expander hot-swapExpander hot-swap | Remove Expander that JBOD function can work properly.Remove Expander that JBOD function can work properly. |  |
| AC/DC Power cyclingAC/DC Power cycling | Power on/off by AC power core (plug-in/removed), that JBOD function can work properly.Power on/off by AC power core (plug-in/removed), that JBOD function can work properly. |  |
| AC/DC Power cyclingAC/DC Power cycling | Power on/off by power button, that JBOD function can work properly.Power on/off by power button, that JBOD function can work properly. |  |
| SAS ZoningSAS Zoning | Group8 and Group9 were run independently.Group8 and Group9 were run independently. |  |
| SAS ZoningSAS Zoning | Group1 can detect Group8 and Group9.Group1 can detect Group8 and Group9. |  |
| SAS ZoningSAS Zoning | All HDD of Group8 could build RAID and run Iometer properly.All HDD of Group8 could build RAID and run Iometer properly. |  |
| SAS ZoningSAS Zoning | And all HDD of Group9 could build RAID and run Iometer properly.And all HDD of Group9 could build RAID and run Iometer properly. |  |
| JBOD CascadeJBOD Cascade | Check substrate table and Diameter for 12 hrs. without error.Check substrate table and Diameter for 12 hrs. without error. |  |
| Manually PWMManually PWM | Check PWM % can be changed and FAN rpm will speed up or low down by manual setting that can work properly.Check PWM % can be changed and FAN rpm will speed up or low down by manual setting that can work properly. |  |
| MPIOMPIO | Single HBA CardSingle HBA Card |  |
| MPIOMPIO | Dual HBA CardDual HBA Card |  |
| DD command stress JBODDD command stress JBOD | Stress JBOD without any CDB or error.Stress JBOD without any CDB or error. |  |
| diag\_drive\_leddiag\_drive\_led | The "diag\_drive\_led" function can work properly.The "diag\_drive\_led" function can work properly. |  |
| sas\_standby\_timersas\_standby\_timer | The power saving function can work properly.The power saving function can work properly. |  |
| Check\_wide\_port on /off /standbyCheck\_wide\_port on /off /standby | The power saving function can work properly.The power saving function can work properly. |  |
| serial number and enclosure numberserial number and enclosure number | The function of CLI serial number and enclosure number can work properly.The function of CLI serial number and enclosure number can work properly. |  |
| enclosure addrenclosure addr | The function of CLI enclosure addr function can work properly.The function of CLI enclosure addr function can work properly. |  |
| sensorsensor | The function of CLI sensor can work properly.The function of CLI sensor can work properly. |  |
| AT Switch test : by power cordAT Switch test : by power cord | The function of "power\_setting keep\_on" can work properly.The function of "power\_setting keep\_on" can work properly. |  |
| AT Switch test : by power cordAT Switch test : by power cord | The function of "power\_setting keep\_off" can work properly.The function of "power\_setting keep\_off" can work properly. |  |
| AT Switch test : by power cordAT Switch test : by power cord | The function of "power\_setting keep\_last\_state" can work properly.The function of "power\_setting keep\_last\_state" can work properly. |  |
| AT Switch test : by front power SWAT Switch test : by front power SW | The function of "power\_setting keep\_on" can work properly.The function of "power\_setting keep\_on" can work properly. |  |
| AT Switch test : by front power SWAT Switch test : by front power SW | The function of "power\_setting keep\_off" can work properly.The function of "power\_setting keep\_off" can work properly. |  |
| AT Switch test : by front power SWAT Switch test : by front power SW | The function of "power\_setting keep\_last\_state" can work properly.The function of "power\_setting keep\_last\_state" can work properly. |  |
| RAID Card TestRAID Card Test | "RAID Card" with SAS 12G HDD Config"RAID Card" with SAS 12G HDD Config |  |
| RAID Card TestRAID Card Test | "RAID Card" with SAS 6G HDD Config"RAID Card" with SAS 6G HDD Config |  |
| RAID Card TestRAID Card Test | "RAID Card" with SATA 6G HDD Config"RAID Card" with SATA 6G HDD Config |  |
| HBA Card TestHBA Card Test | "HBA Card" with SAS 12G HDD Config"HBA Card" with SAS 12G HDD Config |  |
| HBA Card TestHBA Card Test | "HBA Card" with SAS 6G HDD Config"HBA Card" with SAS 6G HDD Config |  |
| HBA Card TestHBA Card Test | "HBA Card" with SATA 6G HDD Config"HBA Card" with SATA 6G HDD Config |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC WEB UI Login function check / mis-operation checkBMC WEB UI Login function check / mis-operation check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Forgot Password function check / mis-operation checkForgot Password function check / mis-operation check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Device Information check (FW name/version)Device Information check (FW name/version) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Network Information checkNetwork Information check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Basic IOL connection checkBasic IOL connection check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Basic SOL connection checkBasic SOL connection check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Check sensors name accuracyCheck sensors name accuracy |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Check webpage logo(AIC)Check webpage logo(AIC) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | FRU data Accuracy checkFRU data Accuracy check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager:Hard Disk Manager: |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | SAS-12G HDD Config, 30 times power on/off by primary BMCSAS-12G HDD Config, 30 times power on/off by primary BMC |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager:Hard Disk Manager: |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | SAS-12G HDD Config, 30 times power on/off by secondary BMCSAS-12G HDD Config, 30 times power on/off by secondary BMC |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager:Hard Disk Manager: |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | SAS - 6G HDD Config, 30 times power on/off by primary BMCSAS - 6G HDD Config, 30 times power on/off by primary BMC |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager:Hard Disk Manager: |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | SAS - 6G HDD Config, 30 times power on/off by secondary BMCSAS - 6G HDD Config, 30 times power on/off by secondary BMC |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager:Hard Disk Manager: |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | SATA-6G HDD Config, 10 times power on/off by primary BMCSATA-6G HDD Config, 10 times power on/off by primary BMC |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager LED are Green statusHard Disk Manager LED are Green status |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager LED are Gray statusHard Disk Manager LED are Gray status |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager LED are red statusHard Disk Manager LED are red status |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Hard Disk Manager LED are blue statusHard Disk Manager LED are blue status |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn on by Fan\_0BMC Card Fail LED be turn on by Fan\_0 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn off by Fan\_0BMC Card Fail LED be turn off by Fan\_0 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn on by Fan\_1BMC Card Fail LED be turn on by Fan\_1 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn off by Fan\_1BMC Card Fail LED be turn off by Fan\_1 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn on by Temp0BMC Card Fail LED be turn on by Temp0 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn off by Temp0BMC Card Fail LED be turn off by Temp0 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn on by Temp1BMC Card Fail LED be turn on by Temp1 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn off by Temp1BMC Card Fail LED be turn off by Temp1 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn on by PSU1tempBMC Card Fail LED be turn on by PSU1temp |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn off by PSU1tempBMC Card Fail LED be turn off by PSU1temp |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn on by PSU2tempBMC Card Fail LED be turn on by PSU2temp |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Card Fail LED be turn on by PSUt2empBMC Card Fail LED be turn on by PSUt2emp |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Fan\_0 sensor reading / Abnormal checkFan\_0 sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Fan\_1 sensor reading / Abnormal checkFan\_1 sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Temp0 sensor reading / Abnormal checkTemp0 sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Temp1 sensor reading / Abnormal checkTemp1 sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PSU1\_status sensor reading / Abnormal checkPSU1\_status sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PSU2\_status sensor reading / Abnormal checkPSU2\_status sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS\_Watt sensor reading / Abnormal checkPS\_Watt sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PSU1\_temp sensor reading / Abnormal checkPSU1\_temp sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PSU2\_temp sensor reading / Abnormal checkPSU2\_temp sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Watchdog1 sensor reading / Abnormal checkWatchdog1 sensor reading / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC SEL event log be record by Fan\_0BMC SEL event log be record by Fan\_0 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC SEL event log be record by Fan\_1BMC SEL event log be record by Fan\_1 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC SEL event log be record by Temp0BMC SEL event log be record by Temp0 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC SEL event log be record by Temp1BMC SEL event log be record by Temp1 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC SEL event log be record by PSU1\_statusBMC SEL event log be record by PSU1\_status |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC SEL event log be record by PSU2\_statusBMC SEL event log be record by PSU2\_status |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC SEL event log be record by PSUtemp1BMC SEL event log be record by PSUtemp1 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC SEL event log be record by PSUtemp2BMC SEL event log be record by PSUtemp2 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_Fan Fail SDR valuePS1\_Fan Fail SDR value |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_Un-Present SDR valuePS1\_Un-Present SDR value |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_Fan Fail SDR valuePS2\_Fan Fail SDR value |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_Un-Present SDR valuePS2\_Un-Present SDR value |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_Fan event checkPS1\_Fan event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_Present event checkPS1\_Present event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_Fan event checkPS2\_Fan event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_Present event checkPS2\_Present event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_Fan Power Fault LED(ON) (Red & Buzzer)PS1\_Fan Power Fault LED(ON) (Red & Buzzer) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_Fan Power Fault LED(OFF)PS1\_Fan Power Fault LED(OFF) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_Fan Power Fault LED(ON) (Red & Buzzer)PS2\_Fan Power Fault LED(ON) (Red & Buzzer) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_Fan Power Fault LED(OFF)PS2\_Fan Power Fault LED(OFF) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_ Present Fault LED(ON) (Red & Buzzer)PS1\_ Present Fault LED(ON) (Red & Buzzer) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_ Present Fault LED(OFF)PS1\_ Present Fault LED(OFF) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_ Present Fault LED(ON) (Red & Buzzer)PS2\_ Present Fault LED(ON) (Red & Buzzer) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_ Present Fault LED(OFF)PS2\_ Present Fault LED(OFF) |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Fan0 Fail 30 times event checkFan0 Fail 30 times event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Fan1 Fail 30 times event checkFan1 Fail 30 times event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Check Temp0 threshold 30 times and event checkCheck Temp0 threshold 30 times and event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Check Temp1 threshold 30 times and event checkCheck Temp1 threshold 30 times and event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_Fan Fail 30 times event checkPS1\_Fan Fail 30 times event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_Fan Fail 30 times event checkPS2\_Fan Fail 30 times event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS1\_Present Fail 30 times event checkPS1\_Present Fail 30 times event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PS2\_Present Fail 30 times event checkPS2\_Present Fail 30 times event check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | DNS function checkDNS function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Network setting checkBMC Network setting check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Network Link checkNetwork Link check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | NTP setting checkNTP setting check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | PEF Management function checkPEF Management function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | SMTP setting checkSMTP setting check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Schedule setting checkSchedule setting check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | User Add/Remove/Modify setting checkUser Add/Remove/Modify setting check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Master BMC DC power Cycling and check HDD quantities for 30 timesMaster BMC DC power Cycling and check HDD quantities for 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Secondary BMC DC power Cycling and check HDD quantities for 30 timesSecondary BMC DC power Cycling and check HDD quantities for 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Master BMC Reset Expander and check HDD quantities for 30 timesMaster BMC Reset Expander and check HDD quantities for 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Secondary BMC Reset Expander and check HDD quantities for 30 timesSecondary BMC Reset Expander and check HDD quantities for 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Master BMC Power on storage and check HDD quantities for 30 timesMaster BMC Power on storage and check HDD quantities for 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Secondary BMC Power on storage and check HDD quantities for 30 timesSecondary BMC Power on storage and check HDD quantities for 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Master BMC Power off storage and check HDD quantities for 30 timesMaster BMC Power off storage and check HDD quantities for 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Secondary BMC Power off storage and check HDD quantities for 30 timesSecondary BMC Power off storage and check HDD quantities for 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | JAVA SOL Function checkJAVA SOL Function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Print function checkPrint function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Logout function checkLogout function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Refresh function checkRefresh function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | User login name check / Abnormal checkUser login name check / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Help function checkHelp function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC Firmware update function check / Abnormal checkBMC Firmware update function check / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Expander Firmware update function check / Abnormal checkExpander Firmware update function check / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Protocol Configuration function checkProtocol Configuration function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Master Hub card hot plug test 30 timesMaster Hub card hot plug test 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Secondary Hub card hot plug test 30 timesSecondary Hub card hot plug test 30 times |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Remote Control > ZONE Settings function checkRemote Control > ZONE Settings function check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Expander update foolproof function on web / Abnormal checkExpander update foolproof function on web / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | HDD status page did refresh after the operationHDD status page did refresh after the operation |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Preserve configuration function check / Abnormal checkPreserve configuration function check / Abnormal check |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | Event log contains of BMC DHCP/Static IPv4Event log contains of BMC DHCP/Static IPv4 |  |
| BMC Feature (by RR6 code base)BMC Feature (by RR6 code base) | BMC WEB UI Login function check / mis-operation checkBMC WEB UI Login function check / mis-operation check |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Login Page function check**Login Page function check** | Login Page function check**Login Page function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | BMC WEB UI Login function check / mis-operation checkBMC WEB UI Login function check / mis-operation check |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Forgot Password function check / mis-operation checkForgot Password function check / mis-operation check |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Check webpage logo (AIC)Check webpage logo (AIC) |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Dashboard function check**Dashboard function check** | Dashboard function check**Dashboard function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Login US EnglishLogin US English |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Login China-中文(简体)Login China-中文(简体) |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Login China-中文(正體)Login China-中文(正體) |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | BMC Firmware InformationBMC Firmware Information |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Shrink edgeShrink edge |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Display the messages receivedDisplay the messages received |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Display the notification receivedDisplay the notification received |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | LanguageLanguage |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | SyncSync |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | RefreshRefresh |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | ProfileProfile |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Sign outSign out |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Sensor function check**Sensor function check** | Sensor function check**Sensor function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Critical SensorsCritical Sensors |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Discrete Sensor StatesDiscrete Sensor States |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Normal SensorsNormal Sensors |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | FRU & PSU info check**FRU & PSU info check** | FRU & PSU info check**FRU & PSU info check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | FRU info checkFRU info check |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | FRU info checkFRU info check |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Logs & Reports function check**Logs & Reports function check** | Logs & Reports function check**Logs & Reports function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | IPMI Event logIPMI Event log |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Audit logAudit log |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Setting function check**Setting function check** | Setting function check**Setting function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Data & TimeData & Time |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Log SettingLog Setting |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Network SettingsNetwork Settings |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Platform Event FilterPlatform Event Filter |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | ServicesServices |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | SMTP SettingSMTP Setting |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | System FirewallSystem Firewall |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | User ManagementUser Management |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Power Restore PolicyPower Restore Policy |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Remote Control function check**Remote Control function check** | Remote Control function check**Remote Control function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Serial Over LANSerial Over LAN |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Chassis Identify function check**Chassis Identify function check** | Chassis Identify function check**Chassis Identify function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Chassis Identify OffChassis Identify Off |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Chassis Identify OnChassis Identify On |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Management function check**HDD Management function check** | HDD Management function check**HDD Management function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Power OnHDD Power On |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Power OffHDD Power Off |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Status is Normal, Color is GreenHDD Status is Normal, Color is Green |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Status is Abnormal, Color is RedHDD Status is Abnormal, Color is Red |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Status is Not support, Color is OrangeHDD Status is Not support, Color is Orange |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Status is Absence, Color is GrayHDD Status is Absence, Color is Gray |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Status is Presence/power off, Color is Light BlueHDD Status is Presence/power off, Color is Light Blue |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | HDD Status is Bad HDD, Color is PurpleHDD Status is Bad HDD, Color is Purple |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Power Control function check**Power Control function check** | Power Control function check**Power Control function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Power OffPower Off |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Power OnPower On |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Power CyclePower Cycle |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Hard ResetHard Reset |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Maintenance function check**Maintenance function check** | Maintenance function check**Maintenance function check** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Backup ConfigurationBackup Configuration |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Firmware Image LocationFirmware Image Location |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | BMC Firmware InformationBMC Firmware Information |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | BMC Firmware UpdateBMC Firmware Update |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Preserve ConfigurationPreserve Configuration |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Restore ConfigurationRestore Configuration |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Restore Factory DefaultsRestore Factory Defaults |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | System AdministratorSystem Administrator |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Expander UpdateExpander Update |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | CPLD Firmware UpdateCPLD Firmware Update |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | BMC ResetBMC Reset |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Sign OutSign Out |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Help ButtonHelp Button |  |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | Expander BMC Console**Expander BMC Console** | Expander BMC Console**Expander BMC Console** |
| BMC Feature (by RR12 code base)BMC Feature (by RR12 code base) | BMC Console function checkBMC Console function check |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | AccountService**AccountService** | AccountService**AccountService** |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [PATCH] Change Password[PATCH] Change Password |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Account 1 instance[GET] Account 1 instance |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | Chassis**Chassis** | Chassis**Chassis** |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Chassis collection[GET] Chassis collection |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Chassis self[GET] Chassis self |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Sensor Reading[GET] Sensor Reading |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Sensor Power[GET] Sensor Power |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [POST] Chassis Power On[POST] Chassis Power On |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [PATCH] Blink ID LED[PATCH] Blink ID LED |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | Chassis/Expander**Chassis/Expander** | Chassis/Expander**Chassis/Expander** |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Expander Instance[GET] Expander Instance |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [POST] HDD Control[POST] HDD Control |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] HDD Control ActionInfo[GET] HDD Control ActionInfo |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | Systems**Systems** | Systems**Systems** |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] System Self[GET] System Self |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [POST] System Power On[POST] System Power On |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [POST] System Power Off[POST] System Power Off |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [PATCH] Blink ID LED[PATCH] Blink ID LED |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [PATCH] Power restore policy[PATCH] Power restore policy |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | Managers**Managers** | Managers**Managers** |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Managers Self[GET] Managers Self |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Managers LogServices[GET] Managers LogServices |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] LogServices SEL[GET] LogServices SEL |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] SEL Entries[GET] SEL Entries |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Managers Serial Interfaces[GET] Managers Serial Interfaces |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Managers Network Protocol[GET] Managers Network Protocol |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Managers Ethernet Interfaces[GET] Managers Ethernet Interfaces |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | JsonSchemas**JsonSchemas** | JsonSchemas**JsonSchemas** |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] Json Schema[GET] Json Schema |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | UpdateService**UpdateService** | UpdateService**UpdateService** |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [POST] Simple Update BMC Fw via HTTP[POST] Simple Update BMC Fw via HTTP |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [POST] Upload BMC Firmware[POST] Upload BMC Firmware |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [POST] BMC Fw Update with Full type[POST] BMC Fw Update with Full type |  |
| BMC Feature (by Redfish code base)BMC Feature (by Redfish code base) | [GET] BMC Fw Update ActionInfo[GET] BMC Fw Update ActionInfo |  |
| Power ConsumptionPower Consumption | Refer to “Power Consumption Measurement” sectionRefer to “Power Consumption Measurement” section | ---- |