

Areca Controller Event List

A. Device Event			
Event	Type	Meaning	Action
Device Inserted	Warning	HDD inserted	
Device Removed	Warning	HDD removed	
Reading Error	Warning	HDD reading error	Keep Watching HDD status, maybe it is caused by noise or HDD unstable.
Writing Error	Warning	HDD writing error	Keep Watching HDD status, maybe it is caused by noise or HDD unstable.
ATA ECC Error	Warning	HDD ECC error	Keep Watching HDD status, maybe it is caused by noise or HDD unstable.
Change ATA Mode	Warning	HDD change ATA mode	Check HDD connection.
Time Out Error	Warning	HDD Time out	Keep Watching HDD status, maybe it is caused by noise or HDD unstable.
Device Failed	Urgent	HDD failure	Replace HDD
PCI Parity Error	Serious	PCI Parity error	If only happen once, it maybe caused by noise. If always happen, please check power supply or contact to us.
Device Failed(SMART)	Urgent	HDD SMART failure	Replace HDD
PassThrough Disk	Inform	Pass Through Disk Created	
PassThrough Disk	Inform	Pass Through Disk Modified	
PassThrough Disk	Inform	Pass Through Disk Deleted	

B. Volume Event			
Event	Type	Meaning	Action
Start Initialize	Warning	Volume initialization has started	
Start Rebuilding	Warning	Volume rebuilding has started	
Start Migrating	Warning	Volume migration has started	
Start Checking	Warning	Volume parity checking has	
Complete Init	Warning	Volume initialization completed	
Complete Rebuild	Warning	Volume rebuilding completed	
Complete Migrate	Warning	Volume migration completed	
Complete Check	Warning	Volume parity checking	
Create Volume	Warning	New Volume Created	
Delete Volume	Warning	Volume deleted	
Modify Volume	Warning	Volume Modify	
Volume Degraded	Urgent	Volume degraded	Replace HDD
Volume Failed	Urgent	Volume failure	
Failed Volume Revived	Urgent	Failed Volume revived	
Abort Initialization	Warning	Initialization been abort	
Abort Rebuilding	Warning	Rebuilding been abort	
Abort Migration	Warning	Migration been abort	
Abort Checking	Warning	Parity Check been abort	
Stop Initialization	Warning	Initialization been stoped	
Stop Rebuilding	Warning	Rebuilding been stoped	
Stop Migration	Warning	Migration been stoped	
Stop Checking	Warning	Parity Check been stoped	

** NOTICE : Depend on models, not every model will encounter all events.

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C. RaidSet Event			
Event	Type	Meaning	Action
Create RaidSet	Warning	New Raidset created	
Delete RaidSet	Warning	Raidset deleted	
Expand RaidSet	Warning	Raidset expand.	
Rebuild RaidSet	Warning	Raidset rebuilding	
RaidSet Degraded	Urgent	Raidset degraded	Replace HDD

D. Hardware Monitor Event			
Event	Type	Meaning	Action
DRAM 1-Bit ECC	Urgent	DRAM 1-Bit ECC error	Check DRAM
DRAM Fatal Error	Urgent	DRAM fatal error encountered	Check the DRAM module and replace with new one if required.
Controller Over Temperature	Urgent	Abnormally high temperature detected on controller (over 60 degree)	Check air flow and cooling fan of the enclosure, and contact us.
Hdd Over Temperature	Urgent	Abnormally high temperature detected on Hdd (over 55	Check air flow and cooling fan of the enclosure.
Fan Failed	Urgent	Cooling Fan # failure or speed below 1700RPM	Check cooling fan of the enclosure, and replace with a new one if
Controller Temp. Recovered	Serious	Controller temperature back to normal level.	
Hdd Temp. Recovered			
Raid Powered On	Warning	Raid Power On	
Test Event	Urgent	Test Event	
Power On With Battery Backup	Warning	Raid Power On with battery backuped	
Incomplete RAID Discovered	Serious	Some raidset member disks missing before power on	Check disk information to find out which channel missing.
HTTP Log In	Serious	a HTTP login detected	
Telnet Log In	Serious	a Telnet login detected	
VT100 Log In	Serious	a VT100 login detected	
API Log In	Serious	a API login detected	
Lost Rebuilding/Migration LBA	Urgent	Some rebuilding/migration raidset member disks missing before power on	Reinserted the missing member disk back, controller will continued the incompleted rebuilding/migration

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