

Release Note for AIC SAS 6G Thunderbolt 4U24 Expander

Jul 04, 2014

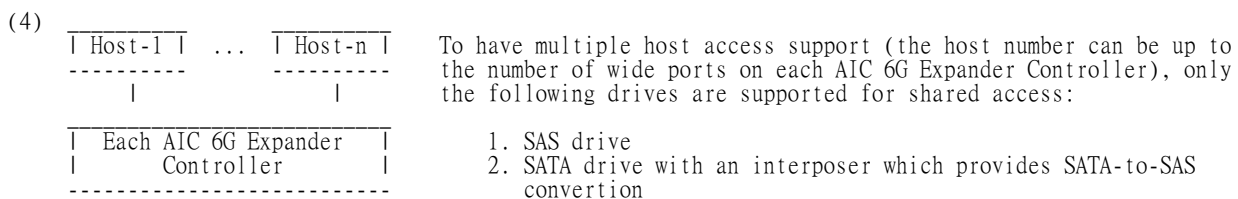
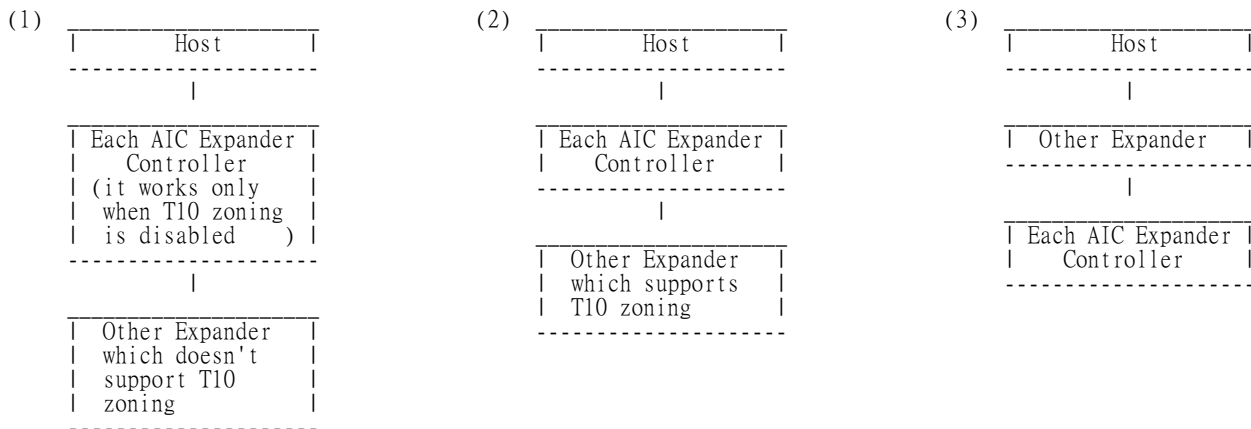
Changelog

- 07/04/2014 (firmware 1.11.4.7 + mfg 1.4.0.4) - Part Number (B98-00XUXXE3110407 + B98-00XUXXG3040004)
Old Part Number B98-00XUXXG3040003 is replaced by B98-00XUXXE3110407.
1. Resolve the drive mapping issue in Windows with SAS 12G HBA
- 08/07/2013 (firmware 1.11.4.7 + mfg 1.4.0.3) - Part Number (B98-00XUXXE3110407 + B98-00XUXXG3040003)
Old Part Number B98-00XUXXE3110403 is replaced by B98-00XUXXE3110407.
1. While setting "RQST Insert" or "RQST Remove" in Array Device Slot control element, the respective bit can not be found in Array Device Slot status element
 2. Resolve the temperature = -1 degree of Celsius while Bridge PIC can not read from the temperature sensor
 3. Stop issuing Backplane I2C reset while accessing I2C
- 05/10/2013 (firmware 1.11.4.5 + mfg 1.4.0.3) - Part Number (B98-00XUXXE3110405 + B98-00XUXXG3040003)
Old Part Number B98-00XUXXE3110404 is replaced by B98-00XUXXE3110405.
1. SES String Out page supports 47-bytes and 48-bytes format
- 05/08/2013 (firmware 1.11.4.4 + mfg 1.4.0.3) - Part Number (B98-00XUXXE3110404 + B98-00XUXXG3040003)
Old Part Number B98-00XUXXE3110403 is replaced by B98-00XUXXE3110404.
1. Add firmware revisions of Backplane PIC and Bridge PIC in SES String In page
 2. Add Backplane fan RPM in SES String In page
 3. Add the control of Backplane fan and force poweroff in SES String Out page
 4. Add an error count for data timeout monitored by expander
- 05/06/2013 (firmware 1.11.4.3 + mfg 1.4.0.3) - Part Number (B98-00XUXXE3110403 + B98-00XUXXG3040003)
Old Part Number B98-00XUXXG3040001 is replaced by B98-00XUXXG3040003.
1. Signal tuning.
- 02/25/2013 (firmware 1.11.4.3 + mfg 1.4.0.1) - Part Number (B98-00XUXXE3110403 + B98-00XUXXG3040001)
Old Part Number B98-00XUXXE3110402 is replaced by B98-00XUXXE3110403.
1. Enable SES page 0x04 and 0x80. This issue is introduced in firmware 1.11.4.2.
- 02/19/2013 (firmware 1.11.4.2 + mfg 1.4.0.1) - Part Number (B98-00XUXXE3110402 + B98-00XUXXG3040001)
Old Part Number B98-00XUXXE3110401 is replaced by B98-00XUXXE3110402.
1. Resolve the issue, the activity LED of the drive is still on when the power of the drive slot is turned off.
- 12/22/2012 (firmware 1.11.4.1 + mfg 1.4.0.1) - Part Number (B98-00XUXXE3110401 + B98-00XUXXG3040001)
1. Initial revision

Definition of the visual LED indicators (green and red) associated with a disk drive

Host Control Bit	Green LED	Red LED
OK	Don't care	OFF
RSVD DEVICE	Don't care	OFF
HOT SPARE	Don't care	OFF
CONS CHECK	Don't care	Fast blink
IN CRIT ARRAY	Don't care	Slow blink
IN FAILED ARRAY	Don't care	Slow blink
REBUILD/REMAP	Don't care	Fast blink
R/R ABORT	Don't care	Slow blink
ACTIVE	Don't care	OFF
DO NOT REMOVE	Don't care	OFF
MISSING	Don't care	ON
INSERT	Don't care	Slow blink
REMOVE	Don't care	Slow blink
IDENT	Slow blink	OFF
FAULT	Don't care	ON
DEVICE OFF	OFF	OFF

Supported Configuration



```
cmd> phyzone 4  
Phy 4 for Zone Group 1
```

Step 2: Assign the second port (PHY4 - PHY7) for Group9

```
cmd> phyzone 4 9  
cmd> phyzone 5 9  
cmd> phyzone 6 9  
cmd> phyzone 7 9
```

Step 3: Assign the drive on PHY12 to be accessed only by the first port instead of the second port

```
cmd> phyzone 12 8
```

Step 4: Assign the drive on PHY13 to be accessed only by the second port instead of the first port

```
cmd> phyzone 13 9
```

Step 5: Reset

3. How to get all revisions in AIC SAS 6G Expander

(A) Expander firmware revision

```
cmd> rev
```

(B) Expander configuration revision

```
cmd> showmfg
```