

FAQ / Application Note							
Subject : RAID 1 procedure for EA	X-Q67 on Wir	ndows Server 20	03 platform				
FAQ Document No: S12008		Date: 2012/6/28					
Model Name. EAX-Q67		Rev. A1					
Category: □General □H/W ■S/W [Others, Ins	stallation					
Purpose:							
Create RAID 1 for EAX-Q67 in Window	vs Server 2003	step by step					
1 Enter BIOS setting to set SATA Mode a	s "RAID Mode	" and then save B	IOS setting and exit				
		Aptio Setup Util	ity – Copyright (C) 2010 Ame	erican Me			
Aptio Setup Utili	Adva	nced					
Main Advanced Chipset Boot	SATA Config	uration		(1			
 PCI Subsystem Settings ACPI Settings 	SATA Mode Serial-ATA Serial-ATA	Controller 0 Controller 1	[IDE Mode] [Compatible] [Enhanced]	(3			
 Trusted Computing CPU Configuration 	SATA Port1		WDC WD800AAJS- (80.0G				
 SATA Configuration Intel IGD SWSCI OnRegion 	SATA Port2		WDC WD800JD-00 (80.0G				
 Intel TXT(LT) Configuration USB Configuration 	SATA Port3		Disabled TDE Mode				
 AMT Configuration 	SATA Port4		AHCI Mode	+++ :			
Super IO Configuration	SATA Port5		KHID Mode	t1:			
 Berial Port Console Redirection 	SATA Port6		Not Present	+/-: E1: (

2.After rebooting, you will see that a tool for RAID is enabled, please press "Ctrl" + "I" on the keyboard to enter RAID tool.

Intel(R) Rapid Storag Copyright(C) 2003-11	e Technology Motic Intel Corporation.	m ROM - 10.5. All Rights Re	0.864 served.	11		
Ante Volumes: 10 Name EAX-Q67	Level AD1(Mirror)	Strip N/A 74	Size Status 1.5GB Normal	Bootab Yes		
Physical Devices Port Device Model 0 HDC HD800AAJS-0 1 HDC HD800JD-00L Press CCIRL-IN to ente	Serial # 0 HD-HCAS27350229 S HD-HMAM9FR09591 r Configuration Uti	S 74. 74. 1ity	ize Type/Statu 568 Member Di: 568 Member Di:	us(Vol ID) sk(8) sk(8)		
3. Enter into RAID t	ool , you will see a n	nenu as below.				
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4. Choose "1. Create RAID Volume" to create a RAID".



5. In "CREATE VOLUME MENU" as below, please create the RAID name and RAID Level (type), then choose "Create Volume" for Creation.

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For example, name is "EAX-Q67", and RAID Level is "RAID1 (Mirror)".



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Are you sure you want to create this volume? (Y/N):

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HDC HD800JD-00LS HD-HMAM9FR09591 74.5GB Member Disk(0

7. Prepare an USB floppy and a 1.44 floppy disk. We need to put the SATA driver into the USB floppy.



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8. Expand the RAID driver of SATA from bundled disc as below and copy these files into the 1.44 floppy disk.



9. Put a Windows Server 2003 installation CD disk into an DVD ROM, and select DVD-ROM in First Boot Device.

Aptio Setup Utility - Main Advanced Chipset Boot Seco	Copyright (C)	Megatrends, Inc.
Boot Configuration Setup Prompt Timeout Bootup NumLock State Quiet Boot CSM16 Module Verison GateA20 Active Option ROM Messages Interrupt 19 Capture	1 [On] [Disabled] 07.64 [Upon Request] [Force BIOS] [Disabled]	Sets the system boot order
Boot Option Priorities Boot Option #1 Boot Option #2 Boot Option #3 Boot Option #4 Boot Option #5 Hand Drive BBS Priorities Floppy Drive BBS Priorities CD/DVD ROM Drive BBS Priorities	[Optianc DVD RW AD] [Built-in EFI Shell] [UEFI: FAT File System] [TEAC USB UF000x 0.00] [Intel Volume0]	<pre>++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>

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10. Press "F6" on the keyboard in the beginning of installing procedure for windows 2003 Server.

Press	s F6 if	you	need	to	install	la	third	party	SCSI	or]	RAID	driver	

11. Press "S" to specify devices connecting to EAX-Q67.

Setup coul installed Currently,	l not determine the tyj n your system, or you Setup will load suppor	e of one or more have chosen to m t for the follow	mass storage devices anually specify an adapte ing mass storage devices(
<none></none>			
* To spe disk c which manufa	ify additional SCSI ad ntrollers for use wit) ou have a device suppo turer, press S.	apters, CD-ROM d Windows, includ rt disk from a m	rives, or special ing those for ass storage device
* If you device mass s	do not have any device manufacturer, or do no orage devices for use	support disks f t want to specify with Windows, pro	rom a mass storage y additional ess ENTER.

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12. Choose Intel(R) Desktop/Workstation/Server express chipset SATA raid controller.

ice support disk provided by an adapter manufacturer.
SCSI Adapter you want from the following list, or press ES to the previous screen.
HAD SOTO AHCI Controllar
Series 4 Port SATA AHCI Controller
Series 6 Port SATA AHCI Controller
series/3400 Series SHIN HHLL CONTROLLER sktom/Workstation/Server Express Chipset SATA AHCI Controlle
bile Express Chipset SATA AHCI Controller
H7R/DH SATA RAID Controller
H7MDH SATA RAID Controller
H7R/DH SATA RAID Controller H7MDH SATA RAID Controller sktop/Horkstation/Server Express Chinset SATA RAID Con

13. Press "Enter" to skip as we have already specified the device.



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14. Press "Enter" and follow the standard procedure to install Windows server 2003.

15. After installation, we need to install the drivers for the device. Before that, we need to download and install "Update for Windows Server 2003" and ".Net framework" from Microsoft web-site.

Note: http://support.microsoft.com/kb/901105/en-us

16. Then, we could install the driver from bundled disc individually. (Please use the XP driver to install)



17. Please also install the RAID utility.



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18. Finally, we can get the complete installation.



19. When we are going to setup the multi-monitor, please press the right button of the mouse on the desktop to enter "Properties".



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20. Please select the "Settings" tab and enter the "Advanced" sub-menu.

isplay Properties	?
Themes Desktop Screen Saver A	Appearance Settings
Drag the monitor icons to match the p	hysical arrangement of your monitors.
	2
Uisplay: 1 Plug and Play Monitor on Intel(B) I	HD Graphics Family
	Color quality
Less More	Highest (32 bit)
1290 bu 1024 pixels	
Extend my Windows desktop onto	nitor. o this monitor.
<u>I</u> dentify	Iroubleshoot Advanced
	Cancel Apple

21. Please select the "Troubleshoot" tab and adjust the hardware acceleration to "Full", then press "Apply".

S'	uare acceleratio			ay related prof	Jonis.
Ma you mak	nually control th graphics hardwing the change.	e level of acc vare. Use the	eleration an Display Tro	d performance ubleshooter to	supplied by assist you in
Har	dware accelerat	tion: No	ne		Full
All a prob	ccelerations are lems. (Recomm	e enabled. Us bended) mbining	e this setting	g if your compu	iter has no
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22. Re-entering the "Advanced" sub-menu, you will see the addition of Intel Graphics and Media control Panel. You can set the multiple displays.

lay Properties	Callings
iemes Desktop Screen Saver A	(ppearance Settings
)rag the monitor icons to match the p	hysical arrangement of your monitor
<u>)</u> isplay:	
 Plug and Play Monitor on Intel(R) I 	1D Graphics Family
Screen resolution	Color quality
Less More	Highest (32 bit)
1/80 bu 10/4 pivels	
1280 by 1024 pixels	1. Store
Z80 by 1024 pixels Z Use this device as the primary mo	nitor.
✓ Use this device as the primary mo ✓ Extend my Windows desktop onto	nitor.) this monitor.
I280 by 1024 pixels Use this device as the primary mo Extend my Windows desktop onto Identify	nitor.) this monitor. Troubleshoot / Ad <u>v</u> anced
I280 by 1024 pixels ✓ Use this device as the primary mo ✓ Extend my Windows desktop onto	nitor.) this monitor. Iroubleshoot

Display	Monitor	<u> </u>
Refresh Rate	60 Hz	•
Rotation	Rotate To Normal	•
Scaling	Maintain Display Scaling	•

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(intel)					-	x
	Display P	rofiles				
Intel® Graphics and Media Control Panel	* Current	t Settings	-	Save	Options -	~
Advanced Mode -		Disp	lay	Monitor VT-	768D	•
Display		Resolut	ion	1280 x 102	4	•
General Settings		Color De	pth	32 Bit		•
Multiple Displays Color Enhancement		Refresh R	ate	60 Hz		•
Custom Resolutions Monitor / TV Settings		Rotat	ion	Rotate To No	ormal	•
3D		Scal	ing	Maintain Dis	play Scaling	-
Options and Support						
	?	ОК	Cance			

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