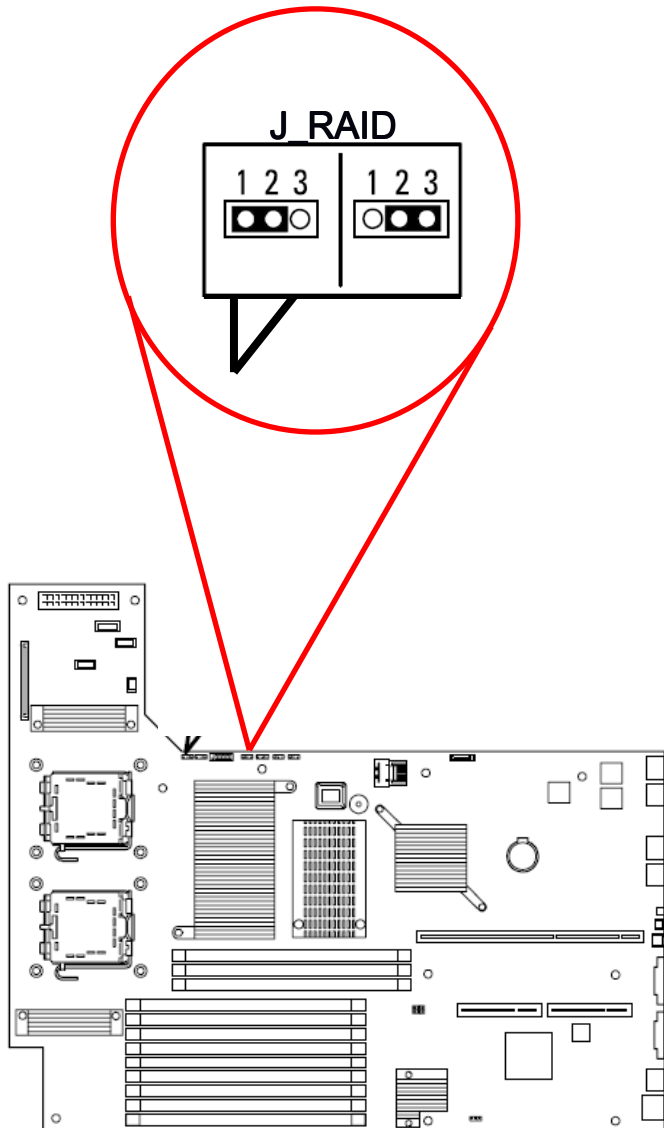


**Document Title:** How to know if RAID is enabled on onboard SATA controller of R440 E1, R460 E1 ?  
**Document ID:** TID0802151635  
**Creation Date:** 15 Feb. 2008  
**Modified Date:**  
**Document Revision:** 0  
**Product Class:** Servers  
**Product and Version:** R440 E1 / R460 E1

## Symptoms / Facts

On board SATA controller on R440 E1 / R460 E1 can run in pure SATA or in SATA RAID mode. The mode is given by jumper on motherboard J\_RAID. This mode can be easily checked into SETUP.

J\_RAID



**Path:**

F2, Advanced / Peripheral / Serial ATA:

J\_RAID Position 1-2 = RAID mode

PhoenixBIOS Setup Utility		
Advanced		
Peripheral Configuration		Item Specific Help
Serial port A:	[Enabled]	Disables/enables Serial ATA.
Base I/O address:	[3F8h]	
Interrupt:	[IRQ 4]	
Serial port B:	[Enabled]	
Base I/O address:	[2F8h]	
Interrupt:	[IRQ 3]	
USB Controller:	[Enabled]	
USB 2.0 Controller:	[Enabled]	
Parallel ATA:	[Enabled]	
Serial ATA:	[Enabled]	
SATA Controller Mode Option:	[Enhanced]	
SATA RAID:	[Enabled]	

F1 Help ↑↓ Select Item -/+ Change Values F9 Setup Defaults  
Esc Exit ← Select Menu Enter Select ► Sub-Menu F10 Save and Exit

J\_RAID Position 2-3 = AHCI = non RAID

PhoenixBIOS Setup Utility		
Advanced		
Peripheral Configuration		Item Specific Help
Serial port A:	[Enabled]	Disables/enables SATA AHCI.
Base I/O address:	[3F8h]	
Interrupt:	[IRQ 4]	
Serial port B:	[Enabled]	
Base I/O address:	[2F8h]	
Interrupt:	[IRQ 3]	
USB Controller:	[Enabled]	
USB 2.0 Controller:	[Enabled]	
Parallel ATA:	[Enabled]	
Serial ATA:	[Enabled]	
SATA Controller Mode Option:	[Enhanced]	
SATA AHCI:	[Enabled]	

F1 Help ↑↓ Select Item -/+ Change Values F9 Setup Defaults  
Esc Exit ← Select Menu Enter Select ► Sub-Menu F10 Save and Exit

**See also**

- This screen shot has been done on motherboard revision 1.0
- On first batch R440 E1 / R460 E1 servers, label present on cover of server was wrong. Jumper positions were described the other way around. To confirm the controller mode, refer to SETUP.

**Document owner:** COE Servers  
**Applies to:** R440 E1 / R460 E1