



This Technical Advisory describes an issue which may or may not affect the customer's product

Intel Technical Advisory

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Onboard and add-in Devices re-enumerate after BIOS update to BIOS 45 or later.

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Products Affected

- S5520UR
- SR1600UR
- SR1600URHS
- SR1625UR
- SR1625URSAS
- SR2600URBRP
- SR2600URLX
- SR2625URBRP
- SR2625URBRP
- SR2625URLX
- SR2625URSAS
- SR2600URSATA
- S5520HC
- S5520HCT
- S5500HCV
- S5520SC
- SC5650HCBRP
- SC5650SCWS
- S5520HC
- S5520HCT
- S5500WB
- S5500WB12V
- SR1690WB
- SR2612UR

Description

S5500.86B.01.00.0045.11232009 (BIOS 45) has a change in the ACPI table which will cause a re-enumeration of onboard and add-in devices. Systems upgrading the system BIOS prior to BIOS 45 such as BIOS 43 to BIOS 45 or later such as BIOS 46, will see a re-enumeration of onboard and add-in devices under the following operating systems: Microsoft* Windows 2003 R2 SP2, Microsoft* Windows 2008 SP2, Microsoft* Windows 2008 R2, VMWare* ESX 3.5, VMWare* ESXi 3.5, VMWare* 4.0, and VMWare* ESXi 4.0. The following changes have been observed during the re-enumeration process:

- i. Video Resolution may reset to a lower video resolution (Microsoft* Windows 2003 only)
- ii. System devices automatically reload drivers. A system restart may be required after driver reload.

- iii. Network Interface Cards (NICs) will re-enumerate. If set to a static IP address, the NIC will default to DHCP upon re-enumeration and the static IP address will be lost.

Note: Add-in adapters may behave differently than what is described above.

Root Cause

The Device rediscovery is due to a change within the BIOS to correctly generate a CID (Compatibility ID) within ACPI to satisfy Microsoft* WHQL certification requirements.

Corrective Action / Resolution

Customers will need to manually reassign the static IP address and reload device drivers upgrading the system BIOS prior to BIOS 45 such as BIOS 43 to BIOS 45 or later such as BIOS 46. Prior to updating BIOS, NIC settings within the operating system should be recorded for all onboard and add-in NICs. Upon operating system reboot after the BIOS update, NIC settings will need to be set to their previous settings. For VMWare*, set the IP address of the host back to original IP and then the control console can be reconnected. The VM (Guest) will then load successfully.

Please contact your Intel Sales Representative if you require more specific information about this issue.

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