



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

Intel Technical Advisory

TA-0986-1

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Processors run at lower frequency after BIOS update to BIOS 58.

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Products Affected

Product Code	MM#
S5520HCR	905721
S5520HCT	904912
BB5520URR	905485
S5520SCR	905722
S5520URT	904767
S5520HC	900402
S5520HCR	905721
BBS5520HC	901640
BBS5520HCR	905718
S5520HCT	904912
S5520SC	900963
S5520SCR	905722
BBS5520SC	901634
BBS5520SCR	905719
SC5650HCBRP	904553
SC5650HCBRPR	907331
SC5650HCBRPNA	903806
SC5650HCBRPRNA	905764
SC5650SCWS	904581
SC5650SCWSR	907332
SC5650SCWSNA	903836
SC5650SCWSRNA	905767
BB5520URR	905485
S5520URT	904767
SR2625URLXT	904769
SR1600URR	905662
SR1600URHSR	905663

SR1625URR	905664
SR1625URSASR	905665
SR2600URBRPR	905666
SR2600URLXR	905667
SR2625URBRPR	905668
SR2625URLXR	905669
SR2600URSATAR	905671
SR2625URLXTNA	903803
SR1600URRNA	905018
SR1600URHSRNA	905165
SR1625URRNA	905166
SR1625URSASRNA	905167
SR2600URBRPRNA	905488
SR2600URLXRNA	905742
SR2625URBRPRNA	905743
SR2625URLXRNA	905744
SR2600URSATARNA	905745
BB5520UR	901085
SR2625URBRP	900989
SR2625URLX	900990
SR2600URLX	900988
SR2600URBRP	901093
SR2625URLXNA	901129
SR2600URLXNA	901131
SR2625URBRPNA	901141
SR2600URBRPNA	901187
SR1625UR	900986
SR1625URSAS	900987
SR1625URNA	901132
SR1625URSASNA	901136

Description

S5500.86B.01.00.0058.06172011 (BIOS 58) has a change in the early BIOS POST SEC (Security) phase which might cause processors to run at a lower frequency than they are capable of. After upgrading the system from an earlier BIOS to BIOS 58, the user might see a processor frequency downgrade in the BIOS setup page, Shell environment and operating systems. Doing an AC cycle after the BIOS update may increase the failure rate.

Root Cause

This issue is caused by a change made in BIOS 58 to enable a feature to change the processor ratio to lower the system power consumption.

Corrective Action / Resolution

Intel has removed the system update package from www.intel.com which includes BIOS 58 and has posted a new system update package with BIOS 59. Customers will need to use BIOS 59 instead of 58. After updating the BIOS from BIOS 58 to BIOS 59, customers will need to load BIOS defaults or clear CMOS.

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

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