

Intel® Management Engine BIOS Extension 8.0.0.0069 Release Notes

Intel® 7 Series Express Chipset

November 2012

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Revision History

Date	Revision	Draft/Changes
March 04, 2011	8.0.0.0027	Intel® Management Engine BIOS Extension
March 10, 2011	8.0.0.0028	Intel® Management Engine BIOS Extension
March 17, 2011	8.0.0.0029	Intel® Management Engine BIOS Extension
April 08, 2011	8.0.0.0030	Intel® Management Engine BIOS Extension
April 14, 2011	8.0.0.0031	Intel® Management Engine BIOS Extension
April 21, 2011	8.0.0.0032	Intel® Management Engine BIOS Extension
April 28, 2011	8.0.0.0033	Intel® Management Engine BIOS Extension
May 6, 2011	8.0.0.0034	Intel® Management Engine BIOS Extension
May 12, 2011	8.0.0.0035	Intel® Management Engine BIOS Extension
May 19, 2011	8.0.0.0036	Intel® Management Engine BIOS Extension
May 26, 2011	8.0.0.0037	Intel® Management Engine BIOS Extension
June 02, 2011	8.0.0.0038	Intel® Management Engine BIOS Extension
June 09, 2011	8.0.0.0039	Intel® Management Engine BIOS Extension
June 16, 2011	8.0.0.0040	Intel® Management Engine BIOS Extension
June 23, 2011	8.0.0.0041	Intel® Management Engine BIOS Extension
July 07, 2011	8.0.0.0042	Intel® Management Engine BIOS Extension
July 21, 2011	8.0.0.0043	Intel® Management Engine BIOS Extension
July 28, 2011	8.0.0.0044	Intel® Management Engine BIOS Extension
August 04, 2011	8.0.0.0045	Intel® Management Engine BIOS Extension
August 11, 2011	8.0.0.0046	Intel® Management Engine BIOS Extension
September 02, 2011	8.0.0.0047	Intel® Management Engine BIOS Extension

September 15, 2011	8.0.0.0048	Intel® Management Engine BIOS Extension
September 23, 2011	8.0.0.0049	Intel® Management Engine BIOS Extension
September 30, 2011	8.0.0.0050	Intel® Management Engine BIOS Extension
October 7, 2011	8.0.0.0051	Intel® Management Engine BIOS Extension
October 14, 2011	8.0.0.0052	Intel® Management Engine BIOS Extension
November 10, 2011	8.0.0.0053	Intel® Management Engine BIOS Extension
November 18, 2011	8.0.0.0054	Intel® Management Engine BIOS Extension
November 25, 2011	8.0.0.0055	Intel® Management Engine BIOS Extension
December 02, 2011	8.0.0.0056	Intel® Management Engine BIOS Extension
December 09, 2011	8.0.0.0057	Intel® Management Engine BIOS Extension
December 16, 2011	8.0.0.0058	Intel® Management Engine BIOS Extension
December 23, 2011	8.0.0.0059	Intel® Management Engine BIOS Extension
January 13, 2012	8.0.0.0060	Intel® Management Engine BIOS Extension
Feburary10, 2012	8.0.0.0061	Intel® Management Engine BIOS Extension
March 09, 2012	8.0.0.0062	Intel® Management Engine BIOS Extension
March 30, 2012	8.0.0.0063	Intel® Management Engine BIOS Extension
April 27, 2012	8.0.0.0064	Intel® Management Engine BIOS Extension
May 21, 2012	8.0.0.0065	Intel® Management Engine BIOS Extension
May 28, 2012	8.0.0.0066	Intel® Management Engine BIOS Extension
August 08, 2012	8.0.0.0067	Intel® Management Engine BIOS Extension
October 19, 2012	8.0.0.0068	Intel® Management Engine BIOS Extension
November 07, 2012	8.0.0.0069	Intel® Management Engine BIOS Extension

New Features

New Features (or changes) in < Build name and number>	
Reference No.	**Description**
New Features in Intel® Management Engine BIOS Extension 8.0.0.0027	
N/A	Intel® MEBX 8.0.0.0027 is compatible with firmware 8.0.0.7120 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0028	
N/A	Intel® MEBX 8.0.0.0028 is compatible with firmware 8.0.0.7120 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0029	
N/A	Intel® MEBX 8.0.0.0029 is compatible with firmware 8.0.0.7120 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0030	
N/A	Intel® MEBX 8.0.0.0030 is compatible with firmware 8.0.0.7120 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0031	
N/A	Intel® MEBX 8.0.0.0031 is compatible with firmware 8.0.0.1012 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0032	
N/A	Intel® MEBX 8.0.0.0032 is compatible with firmware 8.0.0.1012 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0033	
N/A	Intel® MEBX 8.0.0.0033 is compatible with firmware 8.0.0.1028 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0034	
N/A	Intel® MEBX 8.0.0.0034 is compatible with firmware 8.0.0.1028 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0035	
N/A	Intel® MEBX 8.0.0.0035 is compatible with firmware 8.0.0.1041 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0036	
N/A	Intel® MEBX 8.0.0.0036 is compatible with firmware 8.0.0.1041 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0037	
N/A	Intel® MEBX 8.0.0.0037 is compatible with firmware 8.0.0.1041 or later

New Features in Intel® Management Engine BIOS Extension 8.0.0.0038	
N/A	Intel® MEBX 8.0.0.0038 is compatible with firmware 8.0.0.1047 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0039	
N/A	Intel® MEBX 8.0.0.0039 is compatible with firmware 8.0.0.1052 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0040	
N/A	Intel® MEBX 8.0.0.0040 is compatible with firmware 8.0.0.1052 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0041	
N/A	Intel® MEBX 8.0.0.0041 is compatible with firmware 8.0.0.1067 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0042	
N/A	Intel® MEBX 8.0.0.0042 is compatible with firmware 8.0.0.1067 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0043	
N/A	Intel® MEBX 8.0.0.0043 is compatible with firmware 8.0.0.1084 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0044	
N/A	Intel® MEBX 8.0.0.0044 is compatible with firmware 8.0.0.1084 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0045	
N/A	Intel® MEBX 8.0.0.0045 is compatible with firmware 8.0.0.1084 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0046	
N/A	Intel® MEBX 8.0.0.0046 is compatible with firmware 8.0.0.1084 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0047	
N/A	Intel® MEBX 8.0.0.0047 is compatible with firmware 8.0.0.1102 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0048	
N/A	Intel® MEBX 8.0.0.0048 is compatible with firmware 8.0.0.1154 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0049	
N/A	Intel® MEBX 8.0.0.0049 is compatible with firmware 8.0.0.1169 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0050	

N/A	Intel® MEBX 8.0.0.0050 is compatible with firmware 8.0.0.1169 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0051	
N/A	Intel® MEBX 8.0.0.0051 is compatible with firmware 8.0.0.1169 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0052	
N/A	Intel® MEBX 8.0.0.0052 is compatible with firmware 8.0.0.1169 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0053	
N/A	Intel® MEBX 8.0.0.0053 is compatible with firmware 8.0.0.1169 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0054	
N/A	Intel® MEBX 8.0.0.0054 is compatible with firmware 8.0.0.1241 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0055	
N/A	Intel® MEBX 8.0.0.0055 is compatible with firmware 8.0.0.1241 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0056	
N/A	Intel® MEBX 8.0.0.0056 is compatible with firmware 8.0.0.1294 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0057	
N/A	Intel® MEBX 8.0.0.0057 is compatible with firmware 8.0.0.1294 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0058	
N/A	Intel® MEBX 8.0.0.0058 is compatible with firmware 8.0.0.1294 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0059	
N/A	Intel® MEBX 8.0.0.0059 is compatible with firmware 8.0.0.1340 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0060	
N/A	Intel® MEBX 8.0.0.0060 is compatible with firmware 8.0.0.1340 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0061	
N/A	Intel® MEBX 8.0.0.0061 is compatible with firmware 8.0.0.1340 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0062	
N/A	Intel® MEBX 8.0.0.0062 is compatible with firmware 8.0.0.1427 or later

New Features in Intel® Management Engine BIOS Extension 8.0.0.0063	
N/A	Intel® MEBX 8.0.0.0063 is compatible with firmware 8.0.0.1455 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0064	
N/A	Intel® MEBX 8.0.0.0064 is compatible with firmware 8.0.0.1455 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0065	
N/A	Intel® MEBX 8.0.0.0065 is compatible with firmware 8.0.0.1455 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0066	
N/A	Intel® MEBX 8.0.0.0066 is compatible with firmware 8.0.0.1455 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0067	
N/A	Intel® MEBX 8.0.0.0067 is compatible with firmware 8.0.10.1455 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0068	
N/A	Intel® MEBX 8.0.0.0068 is compatible with firmware 8.0.10.1455 or later
New Features in Intel® Management Engine BIOS Extension 8.0.0.0069	
N/A	Intel® MEBX 8.0.0.0069 is compatible with firmware 8.0.10.1455 or later

NOTE:

"Intel® ME firmware version format (X.X.X.XXXX) includes major, minor, hotfix and build versions. When MEBX release note points out certain ME firmware version or later, the "later" means all later ME firmware version which includes "hotfix" and "build" versions based on the same "major" and "minor" versions. For example, if MEBX release note says MEBX is compatible with 8.0.0.1069 or later, it means the current MEBX can work with later ME8.0 (same major and minor version) firmware including 8.0.1.XXXX or 8.0.2.XXXX and so on

Resolved Issues

Resolved Issues in <Build name and Number>	
Reference No.	***Description***
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0000	
N/A	*Initial Check in*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0027	
N/A	*Fix selection screen logic*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0028	
N/A	*Corrected unprovision flow and added it to TLS PKI flow*
N/A	*Copyright out of date should be 2011 instead of 2010*
N/A	*Bug fix for asymmetrical text entry filed and label*
N/A	*MEBx password check passes when last char is omitted*
N/A	*Wrong/Uninformative message in attempt to change IP settings while ipsynch enabled in FW*
N/A	*Add changes to invocation bit architecture*
N/A	*Fix reset cycle seen with USB provisioning*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0029	
N/A	*Bypassing FW Update Control*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0030	
N/A	*Small Business Manageability Local Usages*
N/A	*Optimizations to reduce binary size of MEBx*
N/A	*Enhance and improve security*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0031	
N/A	*MEBx Optimizations*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0032	
N/A	*Fix When SUT is configured in Partial HAP, CTRL+P login to MEBx is disabled with error message, "Get User Consent Error."*
N/A	*Fix MEBx does not properly accept a host name after entering an invalid Host name and re-entering a valid host name*

Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0033	
N/A	*Fix Error message is not handled properly for get state functions*
N/A	*Fix mebx cut the hash stream when adding sha2-256 hash.*
N/A	*Add formal MEBx post codes support.*
N/A	*Fix USB Provisioning fails to enable Manageability Feature selection in MEBx*
N/A	*Remove SHA256, 384 hash entry from MEBX UI*
N/A	*Fix keystroke detection in CIRA*
N/A	*Fix multiple input handling in CIRA.*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0034	
N/A	Fix infinite loop issue with RA invocation code
N/A	*Fix when adding SHA-384 Hash, can't see its full details in MEBx*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0035	
N/A	*Fix After deleting PID/PPS from MEBx, AMT machine stay in PSK mode instead of PKI. Incorrect MemCopy function for PSK values.*
N/A	*Fix No Router advertisement addresses displayed in Status Screen*
N/A	*Fix Errors in MEBx provisioning record*
N/A	*Error message removed when LAN cable is disconenncted and user attempt to press CtrlAltF1*
N/A	*Fix MEBx User Consent Option Incorrectly*
N/A	*Fix USBprovisioning fails to enable dhcp mode*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0036	
N/A	*Added new PTHI API to query AMT control mode to fix User Consent menu is available and empty when provisioned in Client Control Mode issue*
N/A	*Fix most of the attempts to open CIRA via BIOS/MEBX fail*
N/A	*Fix Missing Post Codes in MEBx issue*
N/A	*Clear unconfiguration invocation bit*
N/A	*Fix Error applying PID in USB provisioning.*
N/A	*Adding support for Numeric VFR Type which will eliminate lot of overhead for handling numeric types as strings*
N/A	*Support for handling Idle Timeout (Numeric VFR Type) in Power Control Sub Menu*

Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0037	
N/A	*Missing Post Codes in MEBx*
N/A	*DNS Suffix field is NOT functional (when entering this field- nothing happen, just screen refresh)*
N/A	*Fix Local FW Update in USB provisioning*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0038	
N/A	*Optimization of 6kB by dynamic allocation of gAmtData structure*
N/A	*Fix enter IPV6 to Provioning Server fails unless IPV4 was added first*
N/A	*Name Settings Menu - Memory Corruption of GeneralSettings Wsman when HostName, DomainName Periodic Update or TTL values in DDNS sub-menu*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0039	
N/A	*Reduced MEBx configuration variable size < 2K to avoid changing EDK definitions.*
N/A	*Updated copyright string to 2012 as per legal recommendations.*
N/A	*Fix memory leaks and double free problems caused by improper use of Popup/GetMebxString functions*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0040	
N/A	*Fix FW displays the MPS host with wrong IP address when connecting to available MPS after trying to non-available MPS*
N/A	*Fix Invisible DHCP Mode option after provisioning and disable/enable AMT*
N/A	*Fix PROMOTE from pdosw: CRV/MBY-ME:Host name is not getting updated after configuring MEBx*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0041	
N/A	*Fix Unconfigure Network Access option invisible after Partial Unprovisioning*
N/A	*Fix User consent: Changing user opt-in "ALL" fails*
N/A	*Fix Video Corruption on MEBx UI*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0042	
N/A	*Fix Configuring 'Idle timeout' in MEBx menu returns an error message "set idle timeout error!" with SPI B65 5MB*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0043	
N/A	*Fix System goes power cycle reset when press N for "Continue with unconfiguration(Y/N)" BIOS POST prompt*
N/A	*Fix backspace causes cursor to move in wrong direction if entering string longer than one line in popup*
N/A	*Fix Current value is not displayed in popups for numeric fields*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0044	

N/A	*Fix IP address of MPS is not displayed while connecting to MPS via MEBX*
N/A	*Fix Unable to select "Start Configuration" under MEBx RCFG menu.*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0045	
N/A	*Exposure logic changes.*
N/A	*Fix Setting Provisioning Server Address via usb will fail with select Addresses*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0046	
N/A	*Fix Full unprovision then start configuration via MEBX will send an error message.*
N/A	*Fix issues found by Klocwork scan*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0047	
N/A	*Fix After disabling/enabling AMT in MEBx 2 times, ME enters recovery mode until performing G3*
N/A	*Add MEBX Screen Mode Platform Policy*
N/A	*Clear MEBx screen before Unconfiguring ME,*
N/A	*Fix No user consent password when running discrete graphics platforms*
N/A	*Doxygen Support in MEBx*
N/A	*Fix "User Consent Error" is dispalyed on BIOS screen if FITc "Mng App Enable/Disable setting"*
N/A	*Fix Setting IPv6 data by USB provisioning fails*
N/A	*Fix MEBx requests 2 global resets on first boot*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0048	
N/A	*Klocwork reported issues cleanup*
N/A	*Fix Buffer overrun in MEBx. Arbitrary Code Execution Vulnerability*
N/A	*Fix Memory leak issue*
N/A	*Usb provisioning only consumes up to 2 record chunks*
N/A	*Fix Manageability feature selection set to inactive (grayed out) when disable and cancel the operation*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0049	
N/A	*Fix after ME Unconfiguration, the computer is stuck with an error string "ME BIOS Sync - Get Policy Error" is rolling on the BIOS screen repeatedly. It can Recovery by doing G3.*
N/A	*When in Level3 or Small Business mng, the MEbx menu header is "AMT*
N/A	*Fix when trying to disable KVM events: MEBX shows an error message and then KVM status seems disabled even though*

	actually it's enabled
N/A	*Fix Memory leaks when using MebxGetString function*
N/A	*Fix MEBx still tries to send debug post codes over serial even if locating debug protocol failed*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0050	
N/A	*Fix PROMOTE from pdosw: CRV/MBY-ME:Error message seen while enabling or disabling KVM feature selection in MEBx*
N/A	*Fix Opt-in screen is not displayed on reboot*
N/A	*Fix MEBx does not clear SetDataSync invocation bit if it's set in two subsequent MEBx invocations*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0051	
N/A	*Fix Assert hit on debug BIOS when performing memory operations in MEBx*
N/A	*Delete unused, duplicated code from MEBx*
N/A	*Rewritten Pthi Init/Disconnect flows*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0052	
N/A	*Fix MEBx debug message shows to fast on the screen*
N/A	*Add Haswell/LPT MEBx build tree added*
N/A	*Me9 Mebx - AMT Name Settings Menu - TTL and Update Interval values are restricted to 65355*
N/A	*MEBx Code cleanup.*
N/A	*Remove testing corporate bit of platform info (rule 29) which is no longer supported.*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0053	
N/A	*Fix Same status returned for failure and 'user pressed n/N' in unconfigure without password flow*
N/A	*Fix Buffer overrun in MEBx*
N/A	*Fix USB provisioning fails to enable Dynamic Dns update*
N/A	*Fix In SMB MEBx refers to "Unconfigure Network Access"*
N/A	*Fix Platform doesn't accept provisioning data on SMB SKU*
N/A	*Fix can't not enter into MEBx menu in B65 SKU issue*
N/A	*Fix QM67 + SNB Core/ Pentium CPUs: Unable to enter MEBX, instead machine reboot.*
N/A	*Fix when trying to disable KVM events: MEBX shows an error message and then KVM status seems disabled even though actually it's enabled*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0054	

N/A	*Fix Partial Unprovision not available in PRE and IN provisioning states*
N/A	*Klocwork reported issues cleanup*
N/A	*Fix Manageability feature selection set to inactive (grayed out) when disable and cancel the operation.*
N/A	*Support for 64bit MMIO needed*
N/A	*Fix MEBx accepts 64 characters of new hash name whereas AMT accepts only 32*
N/A	*Fix after entering to MEBX, cannot open KVM session.*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0055	
N/A	*Fix Discrete GFX- User Consent Screen Sprite Overlap with discrete graphic if low resolution is set*
N/A	*Fix Periodic Update Interval accepts incorrect value*
N/A	*Fix ME Idle timeout is set to 0 despite of error message*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0056	
N/A	*Fix MEBX Unconfigure menu shows partial unprovision option while in PRE provision mode.*
N/A	*Fix heap overrun with 32-letter ME password*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0057	
N/A	*Fix If disabling KVM ports using FOV, User Opt-In menu is hidden, but can shows up unexpectedly.*
N/A	*Fix Intel AMT Configuration item disappear in MEBx*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0058	
N/A	*Fix Outputs Malformed Error message of unsupported Variable during USBprovisioning*
N/A	*IFR needs to be published by MEBx to allow bios setup integration*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0059	
N/A	*Add retry logic should be added to unconfig flow while waiting for ACK from ME*
N/A	*Fix Unknown value shown after exceeding integer range*
N/A	*Fix Value after 0 not accepted and changes into random value*
N/A	*Adds new build target for MEBx integration with BIOS setup*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0060	
N/A	*Fix MEBx's provisioning server IP doesn?t show if clear server IP with valid port input*
N/A	*Add Retry logic should be added to unconfig flow while waiting for ACK from ME Part III*

Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0061	
N/A	*Fix MEBx "[??] Move Highlight " disappear after specific step operation*
N/A	*Fix MEBx provisioning record shows invalid timestamp information*
N/A	*Fix MEBx diagnostic shows garbage*
N/A	*Fix The title required in the AMT status is missing*
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0062	
N/A	*Fixed* AMT IP address is shown incorrectly after loading Intel Fast Call For Help
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0063	
N/A	Fixed bios rejects scrambled usb file when USB provisoning
N/A	Fixed KVM text dropped from SOL/IDER/KVM menu after re-enabling AMT
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0064	
N/A	MEBx needs to clear screen only if it displays anything on the screen
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0065	
N/A	Fixed ME idle timeout of 0 shown when AMT is disabled
N/A	Send CPU Brand Class to ME if JKT CPU is detected
N/A	Fixed When DDNS Enabled, TTL can be set to an illegal value
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0066	
N/A	Send CPU Brand Class to ME if JKT CPU is detected - production/pre-production stepping distinction needed
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0067	
N/A	Fixed MEBx selection menu not displayed without CSM
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0068	
N/A	Fixed System does not boot with CPU without internal graphic and no external graphics card
Issues Resolved in Intel® Management Engine BIOS Extension 8.0.0.0069	
N/A	Fixed Second global reset not issued following RTFD + C-Link configuration change