

# Appendix A Tool Detail Error Codes

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Errors are reported in the following format for all tools:

<ErrorTypeNumber>\*256+<ErrorNameNumber>

## A.1 Common Error Code for FIT tool

The below table displays the error type number and the corresponding string.

Error Type Number	Corresponding String
0	No Error
1	[Action Processor]
2	[Bin Actions]
3	[Fit Converter]
4	[Csme Binary Gen]
5	[Fit Actions]
6	[Fit File I/O]
7	[Fit Utils]
8	[Framework C Lib]
9	[ME Util]
10	[Xml Processor]
11	[Fit]
12	[DNX Utils]
13	[Ifwi Actions]
14	[IMR Actions]
15	[Smip Controller]
16	[GPIO Actions]
17	[ME MFS]
18	[Nvar Actions]
19	[Manifest]
20	[Manifest Actions]
21	[Crypto Actions]
22	[CSME Actions]
23	[Elf Actions]
24	[Huffman Utils]
25	[System Resources]
26	[SysCall Actions]

The below table shows the error name number and the corresponding message.

Error Code	Error Message
0	No Error
1	Initialize Error
2	Failed to build
3	Build general error
4	Build enumeration error
5	Error building attribute
6	Error Building Resources
7	Decompose Error.
8	Failed to decompose SMIP data
9	Failed to decompose Image
10	Failed to decompose Region
11	Error Decomposing attribute
12	Error calling decomposition actions
13	Decomposition node not found
14	Error decomposing class
15	Decomposition not ready
16	Failed to detect and configure ROM Bypass partition
17	Failed to decompose boot partition
18	Failed to generate decomposed files
19	Failed to decompose boot partition entry
20	Error executing pre-build actions
21	Error executing post-build actions
22	Error generating intermediate build output
23	Invalid object alignment value
24	Unable to resolve parent for attribute
25	Buffer offset out of bounds
26	Unresolved native type
27	Data Conversion error
28	Invalid H file output path
29	Error rounding attribute
30	Error updating attribute
31	Error executing post-decomp actions
32	Missing XML attribute
33	Failed to sign SMIP data
34	MEU config file Error
35	Bad command line options

36	Invalid PCH SKU specified
37	Error setting the log file
38	File not found
39	File name with the PERIODS at the end is not supported
40	Could not find VSCC value for given JEDEC code
41	Failed to open new image
42	Failed to open with processed commands
43	Failed to parse XML
44	Failed to parse XML settings
45	Full image could not be written
46	Could not locate input region file
47	Invalid input file type
48	Failed to populate known good VSCC database in memory
49	User did not accept the license agreement
50	Failed to launch GUI as requested
51	Failed to build CSE region file
52	Failed to process layout file
53	Failed to process configuration file
54	Unable to open layout file
55	Invalid root name detected in configuration file
56	Unknown root node found in XML
57	Invalid XML tag
58	Invalid XML child tag association
59	XML tag exception
60	Missing XML tag
61	Error resolving data dependencies
62	Failed to generate dependency map for XML tag
63	Failed to load native type definitions
64	Invalid XML value attribute
65	Error overriding CSE version Major number
66	Error overriding CSE version Minor number
67	Error overriding CSE version Hotfix number
68	Error overriding CSE version Build number
69	Error overriding CSE Internal Build Version
70	Error overriding signing key
71	Error overriding MFS BinObject
72	Error overriding the active LOCL Instance Id
73	Error overriding the active WCOD Instance Id
74	Error overriding the active MDMV Instance Id

75	Error enabling partition from the command line
76	Error disabling partition from the command line
77	Error setting partition length
78	Error overriding the LOCL UPV version
79	Error overriding the WCOD UPV version
80	Error overriding the MDMV UPV version
81	Error overriding the TCB SVN number
82	Error overriding the ARB SVN number
83	Error overriding the VCN number
84	Error Overriding the Sku Attributes value
85	Error overriding the Uma size
86	Error overriding compression mode on all modules
87	Error overriding CSE region length
88	Error enabling RomBypass partition
89	Error overriding PCH version
90	Error overriding DataFormatVersion
91	No XML version was specified
92	The XML version specified is not in the proper format: x.x
93	The version of the XML file you are loading is not supported
94	The version of the XML you are loading is greater than any version this application knows about
95	Unable to open config file
96	Error overriding header files output directory
97	Error overriding the AFS SKU ID
98	Error opening file
99	Error writing to file
100	Size mismatch in file write
101	Error reading text file
102	Setting not found
103	Invalid type specified for setting
104	Unable to resolve action's target attribute
105	Unable to resolve action's source attribute
106	Failed to write data to image buffer
107	Unable to resolve attribute used in action
108	Failed to open file
109	Failed to update image buffer offset
110	Source value of length 0 must be in hex string format
111	Failed to load NVARs [Intel(R) AMT HW Status] from path
112	Detected overflow in CalcOffset operation
113	String length too long

114	Empty input string
115	Failed attribute length limit validation
116	Failed to write buffer to file
117	Invalid JSON Parameter(s)
118	Invalid region size
119	Unable to calculate hash
120	Invalid action parameters
121	Buffer overflow detected
122	Buffer overflow detected
123	Invalid Checksum Action Parameters
124	Error Calculating round to function
125	Missing data class
126	Invalid signing key
127	Failed to generate signature
128	Unable to generate intel.cfg file
129	Unable to generate intel.cfg SHA2
130	Failed to encrypt module
131	Error generating manifest independent partition
132	Error generating feature permissions extension
133	Error generating thread attributes extension
134	Error generating device attributes extension
135	Error generating mmio ranges extension
136	Error generating file producer extension
137	Failed to add group IDs to process extension
138	Error generating user info extension
139	Failed to adjust the FTUP partition length and offset
140	Found IUP partition (WCOD,MDMV,LOCL,ISH) before NFTP. This is not allowed
141	Found unexpected IUP partition. All IUP must be allocated in a contiguous block
142	Calculated FTUP partition size is smaller than FTPR size, this will break FWUpdate
143	Number of FPT entries does not fit in current FPT area supported by FTOOL
144	Unable to resolve user name
145	Unable to update partition offsets in database
146	Missing partition parameters
147	Missing partition instance
148	Unable to update partition offset
149	Error building Partial Firmware Update image
150	Failed to configure firmware runnable region

151	Unable to disable attribute
152	Invalid runnable region configuration
153	Make Module Failed
154	Get elf info failed
155	Make Module Failed
156	Parse Module metadata Failed.
157	Elf to Bin failed
158	Get Section Data failed
159	Invalid ModuleType. Module is not Process or Shared Library type
160	Failed to build shared library
161	Invalid TotalThreadStackSize value
162	Unable to get CM0HeapSize configuration parameter
163	Unable to get DefaultHeapSize configuration parameter
164	Invalid CM0Heap Value
165	Invalid DefaultHeap Value
166	Unable to find the FLREG layout entry
167	Failed to resolve region limit
168	Failed to resolve region base
169	Unable to find the Regions layout entry
170	Missing input region length configuration option
171	File Path could not be resolved
172	Invalid region size
173	Not enough flash space
174	Missing region data target
175	Unable to update region data target
176	Unable to load CSE region
177	Failed to allocate memory
178	Failed to parse CSE region
179	Not enough space to copy CSE region into image buffer
180	Unable to prepare CSE region
181	Invalid VSCC entry
182	Detected overflow in B PDT table
183	Invalid Descriptor offset
184	Invalid Descriptor size
185	Unable to parse ROM Bypass configuration
186	Unable to load ISH image
187	ISH image file size is too large
188	Failed to update ME Region
189	Invalid PKI Suffix:

190	Invalid Certificate Hash Format:
191	Invalid GUID format
192	Failed to parse GbE image
193	The file is not large enough to be a valid GbE
194	Invalid Region Order
195	Invalid settings combination
196	Unable to load Token
197	Unable to decompose Token
198	IDLM Binary is invalid or corrupt
199	Unable to decompose IDLM Binary
200	Failed to process VR profile selection
201	Failed to generate FW update image
202	String length is too large
203	Failed to generate CSE data partition
204	TBT Binary is invalid or corrupt
205	Chipset Init Binary is invalid or corrupt
206	Chipset Init Base Intel Recommendation table is invalid
207	Chipset Init Product version does not match the configured PCH SKU type
208	Failed to get image Metadata sub partition
209	Failed to load FITC binary to sub partition
210	Failed to generate Image Metadata partition
211	Failed to load FITC binary to sub partition
212	Failed to find child attribute
213	Failed to get Class Instance
214	Failed to map GPIOs
215	Invalid NVAR [Intel(R) AMT HW Status] size
216	NVAR [Intel(R) AMT HW Status] IO Error
217	Failed to set target IFWI configuration
218	Failed to load BIOS image from file
219	Failed to configure IFWI layout
220	Failed to prepare one or more IFWI components
221	Failed to load ME component
222	Detected invalid Sub-Partition
223	Detected build buffer overflow
224	Failed to update build buffer cursor offset
225	Failed to prepare ME BUP Sub-Partition
226	Failed to calculate boot partition sizes
227	Unable to update region data target
228	Failed to get ME Sub-Partitions

229	Failed to load OEM Key Manifest input file
230	Failed to add OEM Key Manifest to IFWI image
231	Failed to build SMIP data
232	Failed to load SMIP intermediate file
233	Failed to add SMIP Sub-Partition to IFWI image
234	Failed to add ROMB partition to IFWI image
235	Failed to load input file
236	Unable to determine image type
237	Detected invalid DNX image format.
238	Unable to detect number of flash components setting
239	Unable to resolve flash image size
240	Failed to validate Key Manifests
241	Failed to validate Public key hash
242	Failed to calculate BPDT Checksum
243	Failed to calculate and set required image padding
244	Invalid Manifest Extension Utility path
245	Utility to sign the SMIP data
246	Invalid signing key path
247	Invalid signing tool path
248	Failed to load data sub-partition
249	General error
250	Missing configuration attribute
251	Unable to set configuration value
252	IMR range value out of range
253	Unable to round up IMR value
254	Total IMR size exceeding maximum size
255	Invalid action parameters
256	Invalid attribute parameters
257	Missing JSON parameter in NVAR [Intel(R) AMT HW Status] Action
258	Unable to convert NVAR [Intel(R) AMT HW Status] index to U32
259	Unable to convert NVAR [Intel(R) AMT HW Status] offset to U32
260	Unable to convert NVAR [Intel(R) AMT HW Status] bitHi to U32
261	Unable to convert NVAR [Intel(R) AMT HW Status] bitLo to U32
262	Unable to convert NVAR [Intel(R) AMT HW Status] field size to U32
263	Unable to convert NVAR [Intel(R) AMT HW Status] file size to U32
264	Failed to write NVAR [Intel(R) AMT HW Status]
265	Failed to read NVAR [Intel(R) AMT HW Status]
266	Invalid action parameter
267	Invalid target name



268	Invalid bitfield length specified
269	Error updating configuration variable
270	Could not load binary file
271	Could not resize NVAR [Intel(R) AMT HW Status] for binary file
272	Specified variable size will not fit into fixed-size NVAR [Intel(R) AMT HW Status] file
273	Specified variable size will not fit into cell
274	Specified offset is larger than NVAR [Intel(R) AMT HW Status] size
275	Could not adjust NVAR [Intel(R) AMT HW Status] params
276	Could not write NVAR [Intel(R) AMT HW Status] value
277	Could not read NVAR [Intel(R) AMT HW Status] value
278	Failed to write binary file for NVAR [Intel(R) AMT HW Status]
279	Certificate NVAR [Intel(R) AMT HW Status] size mismatch
280	Certificate NVAR [Intel(R) AMT HW Status] name field size mismatch
281	Failed to save intermediate file
282	Unable to access data
283	Detected duplicate syscall id
284	Detected duplicate syscall name
285	Detected duplicate syscall group name
286	Detected loop in syscall group dependencies
287	Detected invalid syscall group name
288	Detected invalid syscall group raw value
289	Detected invalid syscall name in group definition
290	Detected invalid syscall id
291	Detected invalid syscall group id used in process module
292	Failed to generate header file definitions
293	Invalid Group Value
294	SystemResources Class has not been initialized
295	Internal error
296	Failed to get active module names
297	Unable to resolve type
298	Failed to generated system resources report
299	Failed to generate source code for bus driver
300	Detected duplicate process name
301	Detected duplicate process id
302	File write error
303	Detected duplicate user name
304	Detected duplicate special file label
305	Detected duplicate service name
306	Detected duplicate group id

307	Detected duplicate user id
308	Error opening file for read
309	Error reading file data
310	Size requested was too large
311	Error opening file for write
312	Error appending to file
313	Creating directory structure
314	Error running LZMA compression
315	Error running LZMA extraction
316	Wrong format found
317	Unknown Project
318	Invalid data pointer
319	Out of memory
320	Unable to remove file entry from FCS table
321	MFS was not initialized
322	FCS was not initialized
323	Failed to process FCS entries
324	Detected duplicate special file label
325	FileEntry already being used by another FCS table
326	Failed to create FCS handle
327	Failed to get file from FCS
328	Failed to get file attributes from FCS
329	Failed to add new file to FCS
330	Failed to delete file from FCS
331	Failed to flush FCS buffer into memory
332	Invalid FCS file
333	Failed to terminate MFS library
334	Failed to get file size from MFS
335	Failed to delete file from MFS
336	Failed to decompose CSE image
337	Failed to initialize MFS
338	Failed to load Intel.cfg table
339	Failed to load Fit.cfg table
340	Failed to create the current values table
341	Failed to generate the current values table
342	Failed to create new Fit.cfg table
343	NVAR [Intel(R) AMT HW Status] Access error
344	FW Code Generation Error
345	Invalid ME Version

346	Module Not Found
347	Action not found
348	Action failed to execute
349	Failed to process input XML
350	Invalid command line options
351	Failed to save XML
352	Invalid XML template option specified
353	Invalid Manifest Version specified on CLI
354	Unable to load tool config xml
355	Unsupported signing tool specified
356	Invalid signing tool configuration
357	Invalid decomp binary type specified
358	File is not a valid XML file
359	Invalid manifest index value
360	Error finding manifests in file
361	Path provided is not a valid directory
362	Unable to find files
363	Unable to read file
364	Failed to import manifest(s)
365	Failed to resign manifest(s)
366	Failed to generate public key hash
367	Failed to export manifest(s)
368	Buffer overflow detected
369	Buffer overflow detected
370	Failed to load file
371	Invalid value specified
372	Failed to parse Part IDs
373	Failed to save Part ID to file
374	Unable to remove directory
375	Signature verification failed
376	Failed to generated Boot Partition Manifest
377	Invalid DnxRecoveryImage configuration
378	Failed to generate DNX image
379	Invalid ME
380	Error Parsing Manifest
381	Error Parsing Missing Partition
382	Error Modifying Invalid ME
383	Error Modifying WCOD
384	Error Modifying LOCL

385	Utility to build the DNX image
386	Utility DNX configuration file
387	Invalid OEM Key Manifest path
388	Compressor unexpected exit code
389	Unable to get process uncompressed size
390	Unable to load file
391	Invalid LUT size

## A.2 Common Error Code for All Tools

Error Code	Error Message
0	Success
1	Tool common error
2	Passed with warning
3	Internal Error. Unexpected error occurred
4	Unsupported OS.
5	Memory allocation error occurred.
6	Error accessing the function GetSystemFirmwareTable from kernel32.dll.
7	The function GetSystemFirmwareTable failed with Windows Error Code: %d.
8	Error accessing the kernel32.dll.
9	Commit Anti Rollback SVN failed.
10	Error occurred while reading the file.
11	Error getting current working directory path.
12	Error getting current working directory permission:
13	An unknown error occurred while opening the file.
14	An unknown error occurred while working with the file.
15	Error occurred while writing to the file.
16	Error while trying to read the signature of the file %S.
17	The file %s, is not signed by Intel(R) Embedded Subsystems and IP Blocks Group.
18	Invalid certificate information residing in file %s.
19	Failed to write 0x%02X to IO Port 0x%04X.
20	Cannot locate ME device.
21	Write register failure.
22	Circular buffer overflow.
23	Communication error between application and Intel(R) ME module.
24	Unsupported HECI bus message protocol version.
25	HECI Timeout.
26	Unexpected result in command response.
27	Cannot find host client.

Error Code	Error Message
28	Cannot find ME client.
29	Failure occurred during ME disconnect.
30	Client already connected.
31	No free connection available.
32	Flow control error.
33	No message.
34	Buffer size is too large.
35	Buffer is too small.
36	%s is too long.
37	Invalid command line option(s).
38	The following Parameter is not a valid option: %s.
39	PCH is not supported.
40	Internal Error (Safe function wrapper error: Invalid size).
41	Internal Error (Safe function wrapper error: compose string from list).
42	Internal Error (Safe function wrapper error: compose string).
43	Internal Error (Safe function wrapper error: memncpy).
44	Internal Error (Safe function wrapper error: strncpy).
45	Internal Error (Safe function wrapper error: strncat).
46	Internal Error (Safe function wrapper error: strtok).
47	Printf function failed.
48	Failed getting variable %s value.
49	The variable %s is supported on Corporate SKU only.
50	Unable to find matching LOCL.
51	Could not access PCI device.
52	Unable to load library.
53	Unable to change permission.
54	Unable to perform request due to permission failure.
55	Cannot find requested device.
56	Unable to perform CreateFile.
57	The FPF [Intel(R) AMT HW Status] compare failed.
58	The CSE File Component requested, File Name is not valid for this operation.
59	Failed to read FPT NVARs [Intel(R) AMT HW Status] config file. %s.
61	Fail to read FW Status Register value.
62	Fail to create verbose log file.
63	Unknown or unsupported hardware platform.
64	Failed to initialize SPI interface.
65	Could not update [%s].
66	Cannot update %s. Invalid data length.

Error Code	Error Message
67	Feature not found.
68	Feature not available.
69	%s actual value is - %s.
70	FW status test failed.
71	Boot Guard status test failed.
72	Parameter %s - %s.
73	The value of '%s\' is missing.
74	Failed to communicate with CSME.This tool must be run from a privileged account (administrator/root).
75	Master Access config file value for %s format is invalid.
76	Failed to retrieve feature.
77	Master Access config file value for %s exceed maximum allowed value.
78	Failed to retrieve Intel (R) FIT version.
79	Failed to retrieve Intel (R) Internal Build Version.
80	Ambiguous Master Access value. Master Access config file region [%s] defined more than once.
81	MEManuf Operation Failed.
82	Invalid Access node name in Master Access configuration file.
83	Invalid RequiredValue node name in Master Access configuration file.
84	Invalid server address.
85	Intel(R) test failed to start, error 0x%X returned.
86	Intel(R) test timeout (exceeded 30 seconds).
87	Intel(R) ME test is currently running, try again later.
88	MEManuf EOL & BIST config file generation failed.
89	M3 results are not available from SPI. Please run -test option to perform the BIST test.
90	Could not read M3 results from SPI.
91	SMBus hardware is not ready.
92	Internal error - SMBus Read Byte PEC failure.
93	SMBus encountered time-out.
94	Signature: invalid! No more information can be displayed.
95	Internal error - Failed to match.
96	Internal error - Out of memory.
97	Internal error - Unable to get current PP.
98	Failed to retrieve test result from SPI.
99	Failed to retrieve power package setting.
100	Failed to retrieve power rule from SPI.
101	WLAN power well setting is set incorrectly.
102	Failed to retrieve test result from SPI.

Error Code	Error Message
103	Internal error - Failed to retrieve Platform Attribute.
104	Failed to retrieve PROC_MISSING NVAR [Intel(R) AMT HW Status] setting.
105	PROC_MISSING NVAR [Intel(R) AMT HW Status] setting is set incorrectly.
106	Failed to retrieve password from SPI.
107	Internal error - Password length is incorrect.
108	Internal error - Modified local password.
109	Internal error - Invalid password.
110	Boot Guard Self Test Failed.
111	Intel integrated LAN setting is set incorrectly.
112	Intel LAN Connected Device (PHY) physical connectivity error with ME.
113	Internal error - Illegal data length.
114	Internal error - Illegal data value.
115	EHBC State Test Failed - Error while reading data from flash.
116	EHBC State Test Failed - Contradiction with current Privacy Level.
117	Current WLAN does not match micro-code, please update WLAN micro-code in FW.
118	Communication with WLAN device failed.
119	Length of OEM Customizable Certificate Friendly Name setting is set incorrectly.
120	OEM Customizable Certificate Stream setting is set incorrectly.
121	OEM Customizable Certificate Hash Algorithm setting is set incorrectly.
122	Length of OEM Customizable Certificate Stream is set incorrectly.
123	Internal error - Unable to compress.
124	The compressed data is incorrect.
125	USB EHCI 1 Enabled and/or USB EHCI 2 Enabled setting is set incorrectly.
126	KVM device is already in use by other components.
127	Failed to retrieve power source.
128	Power source is not AC.
129	LAN power well setting is set incorrectly.
130	WLAN power well setting is set incorrectly.
131	System UUID actual value is all 0x00.
132	System UUID actual value is all 0xFF.
133	Security Descriptor Override Strap (SDO) is enabled.
134	End-Of-Post message is not sent.
135	Unable to determine Intel(R) ME Manufacturing Mode status.
136	Intel(R) ME is still in Manufacturing Mode.
137	BIOS has granted Intel(R) Gbe and/or ME access to its region.

Error Code	Error Message
138	%s mismatch, actual value is - %s.
139	Generating file in System Folder is not allowed
140	Cannot run the command since Intel(R) AMT is not available.
141	MFS is corrupted.
142	Using wrong PCH SKU Emulation via Intel (R) FIT vs whats the actual HW Type.
143	Cannot perform hibernation. Please manually reboot the system.
144	MEManuf Test Failed.
145	Test is enabled by the user but is unknown by the platform - %s.
146	Attempting to add sibling to XML root node.
147	File size is zero.
148	XML parsing failed.
149	XML parsing encountered data overflow.
150	Invalid XML error code conversion.
151	XML parser - out of memory error.
152	Missing RequiredValue xml node in Master Access configuration file.
153	Incorrect region name in Master Access configuration file.
154	Failed to retrieve list of BIST tests to run from FW.
155	Unexpected failure when retrieving BIST results.
156	Retrieving the EOL Config list of tests failed.
157	Retrieving the EOL Var list of tests failed.
158	No name attribute specified for test: %s.
159	Failed to parse configuration file provided.
160	No output file path specified to write configuration file.
161	No data to write to configuration file.
162	Invalid ErrAction specified
163	The 2 SPI flash devices do not have compatible command sets.
164	No SPI flash device could be identified. Please verify if Fparts.txt has support.
165	Failed to allocate memory for the flash part definition file %s.
166	Parsing file failed.
167	Protected Range Registers are currently set by BIOS, preventing flash access.Please contact the target system BIOS vendor for an option to disable Protected Range Registers.
168	Hardware sequencing failed. Make sure that you have access to target flash area.
169	The host CPU does not have read access to the target flash area. To enable read access for this operation you must modify the descriptor settings to give host access to this region.



Error Code	Error Message
170	An attempt was made to read beyond the end of flash memory.
171	Software sequencing failed. Make sure that you have access to target flash area.
172	Invalid Block Erase Size.
173	Invalid Write Granularity value.
174	Invalid Enable Write Status Register Command value.
175	The supplied zero-based index of the SPI Device is out of range.
176	Invalid descriptor region.
177	Region does not exist.
178	An attempt was made to write beyond the end of flash memory.
179	An attempt was made to erase beyond the end of flash memory.
180	The address 0x%08X of the block to erase is not aligned correctly.
181	Hardware timeout occurred in SPI device.
182	There are no supported SPI flash devices installed. Please check connectivity.
183	Unrecognized value in the HSFSTS register.
184	AEL is not equal to zero.
185	FCERR is set. Hardware sequencing failed. Make sure that you have access to target flash area.
186	Checking variable %s failed.
187	Invalid value for %s CVAR.
188	Invalid Manufacturing Line Configurable variable name %s.
189	File does not exist.
190	End Of Manufacturing Operation failure - Verification failure on Descriptor Lock settings.
191	Unable to get master base address from the descriptor.
192	Password does not match the criteria.
193	Invalid length of Manufacturing Line Configurable value. Check configuration file for correct length.
194	Invalid hash certificate file.
195	End Of Manufacturing Operation failure - Verification failure on ME Manufacturing Mode Done settings.
196	cfg_rules: the requested rule change is not supported after end of manufacturing.
197	Invalid parameter value specified by user. Use -? option to see help.
198	ME disabled.
199	Failed to get information about the installed flash devices.
200	An error occurred reading the flash descriptor signature.

Error Code	Error Message
201	Flash descriptor does not have correct signature.
202	The attempt to commit the Manufacturing Line Configurables has failed.
203	Access was denied opening file.
204	Failed to read the entire file into memory. File: %s.
205	The address is outside the boundaries of the flash area.
206	Unable to write data to flash. Address 0x%x.
207	Data verify mismatch found.
208	Failed to write the entire flash contents to file.
209	An error occurred reading the flash mapping data.
210	System booted in Non-Descriptor mode, but the flash appears to contain a valid signature.
211	An error occurred reading the flash components data.
212	An error occurred reading the flash region base/limit data.
213	An error occurred reading the flash master access data.
214	Flash is not blank.
215	PAVP oem config data: invalid edp port value
216	Setting Global Reset Failed.
217	ME disable not needed.
218	ME already disabled.
219	The request to disable the ME failed.
220	There is a problem with the GbE binary which prevents saving the data.
221	A required parameter is missing.
222	Committing the FPF [Intel(R) AMT HW Status] is not allowed at this time.
223	The FPF [Intel(R) AMT HW Status] has already been committed.
224	PAVP oem config data: invalid lspcon port value.
225	Committing a specific FPF [Intel(R) AMT HW Status] is not supported. Consider committing all the FPFs.
226	Keybox file size invalid.
227	Invalid all hashes state file.
228	Invalid idle timeout file.
229	Invalid provisioning state file.
230	CEK is invalid.
231	CEK is not available.
232	Cannot provision after EOM.
233	Invalid redirection state file.
234	Bad CRC.
235	Bad Magic.
236	Invalid EHBC state file.
237	Keybox is not provisioned.

Error Code	Error Message
238	The host CPU does not have write access to the target flash area. To enable write access for this operation you must modify the descriptor settings to give host access to this region.
239	User selected to cancel the operation.
240	Internal error - Invalid Heci response length.
241	Error determining possible system states.
242	Cannot locate MEI driver.
243	Unexpected internal FW error occurred. Object was not found.
244	Invalid State found for test - %s.
245	ISH Internal Error.
246	IUP Not Found.
247	Cannot locate HID device.
248	Incorrect Report ID received.
249	MCTP SMBUS test failed.
250	Invalid config file. State was not found for test - %s.
251	Invalid config file. RequiredValue was not found for test - %s.
252	Invalid config file. ErrAction was not found for test - %s.
253	Unable to validate address range.
254	Memory window not set or device is not armed for operation.
255	Sensor could not be found. Either no sensor is connected, the sensor has not yet initialized, or the system is improperly configured.
256	Not enough memory/storage for requested operation.
257	Used in TOUCH_SENSOR_HID_READY_FOR_DATA_RSP to indicate sensor has been disabled or reset and must be reinitialized.
258	Used to indicate compatibility revision check between sensor and ME failed, or protocol ver between ME/HID/Kernels failed.
259	Indicates sensor went through an unexpected reset.
260	Requested sensor reset failed to complete.
261	Operation timed out.
262	Test mode pattern did not match expected values.
263	Indicates sensor reported fatal error during reset sequence. Further progress is not possible.
264	Indicates sensor reported non-fatal error during reset sequence. HID/BIOS logs error and attempts to continue.
265	Indicates sensor reported invalid capabilities, such as not supporting required minimum frequency or I/O mode.
266	Indicates that command cannot be complete until ongoing Quiesce I/O flow has completed.
267	Cannot find the NVAR [Intel(R) AMT HW Status] file; the system maybe in EOM.
268	Invalid cfg rule data.

Error Code	Error Message
269	Cannot access the NVAR [Intel(R) AMT HW Status] file attributes.
270	Failed to hash CSE file data.
271	Operation is not allowed after EOM.
272	Used an invalid input parameter to access the NVAR file.
273	FPF [Intel(R) AMT HW Status] is not written.
274	Invalid privacy level file.
275	File is invalid.
276	Can not provision after EOM.
277	Certificate verification failed.
278	HDCP Rx is not provisioned.
279	Invalid string value entered for the Manufacturing Line Configurable.
280	Detected ME in recovery mode.
281	FW returned status: Erase token failure.
282	Detected invalid data size.
283	Detected invalid hex value.
284	Failed to retrieve 5K port setting.
285	Failed to retrieve LSPCON Port setting.
286	Display port settings are not correct.
287	EC Region write access permissions don't match Intel recommended values.
288	Unexpected size found in the file %s. Expected: 0x%X. Received: 0x%X.
289	Unable to execute command in this Firmware State. Please reboot.
290	GBE Region write access permissions don't match Intel recommended values.
291	GPIO file contains GPIO pin assignments that are not multiples of the GPIO pin data structure.
292	ME Region write access permissions don't match Intel recommended values.
293	Mismatch on FPF [Intel(R) AMT HW Status] file %s - UEP: %s, FPF [Intel(R) AMT HW Status] HW: %s.
294	FPFs [Intel(R) AMT HW Status] are not committed to HW.
295	BIOS Region write access permissions don't match Intel recommended values.
296	Failed to read FPF [Intel(R) AMT HW Status] HW.
297	SOC Config Lock is not set.
298	Lock bit FPF [Intel(R) AMT HW Status] is not set on file.
299	Failed to read FPF [Intel(R) AMT HW Status] in UEP.
300	FW Update OEM ID incorrectly set to 00 or FF.
301	Unable to determine FW Update OEM ID status.
302	BIOS Region read access permissions don't match Intel recommended values.
303	ME Region read access permissions don't match Intel recommended values.

Error Code	Error Message
304	GBE Region read access permissions don't match Intel recommended values.
305	EC Region read access permissions don't match Intel recommended values.
306	RPMC SPI device did not initialize RPMC support correctly, RPMC SPI device needs replacement/ refurbishment.
307	RPMC SPI device has not been bound to the platform yet, RPMC manufacturing process is not complete. HW Binding state is not enabled.
308	"HW Binding" state is not enabled.
309	The %s var is not updatable.
310	The variable %s is not supported on this platform.
311	PCH is unlocked. Disable Delayed Authentication Mode and retry.
312	Test required value format is not valid.
313	Invalid BootGuard configuration.
314	Minimum ARB SVN value set on current platform does not match corresponding ARB SVN in FW image.
315	Unexpected internal FW error occurred. Invalid parameter.
316	Platform name for this PCH type not found or not exists.
317	Clear option is not supported for FPFs [Intel(R) AMT HW Status].
318	This command cannot be processed on platforms using %s as the storage type.
319	This command cannot be processed. Region is not supported on this platform.
320	The maximum number of updated NVARs [Intel(R) AMT HW Status] has been reached.
321	Invalid value for this CVAR.
322	The VAR compare failed.
323	Fatal flash logs exist in NVM.
324	Request and Reply messages' size mismatch.
325	Intel (R) ME Interface : Unsupported message type.
326	Specified partition was not found in the Update Image.
327	FPT is not found in the image.
328	Full FW Update using same version is not allowed. Include -allowsv in command line to allow it.
329	Restore Point Image Failure. Reboot may be required.
330	Invalid Partition ID. Use a Partition ID which is possible to do Partial FW Update on.
331	The partition provided is not supported by the platform.
332	The requested size of partition to read/write/erase exceeds the actual partition size.
333	Firmware Update operation not initiated because a firmware update is already in progress.
334	Sku capabilities bits are different between the Update Image and the Flash Image.

Error Code	Error Message
335	Major version number of Update Image is not the same as major version number of Flash Image.
336	Firmware update failed due to an internal error The total size of the backup partitions is bigger than NFTP size.
337	Firmware update failed due to an internal error caused by a failure in event publishing.
338	FW Flash read/write/erase operation failed.
339	Update operation timed-out; cannot determine if the operation succeeded.
340	FW Update is disabled. MEBX has options to disable / enable FW Update.
341	Firmware update cannot be initiated because the OEM ID given for FW Update did not match the OEM ID in the FW.
342	Display FW Version failed.
343	Update was blocked by one of the FW modules.
344	Firmware update failed due to an internal error Write file failed.
345	Sanity check in erase/write of partitions. Error might have happened when size of partition is not 4K aligned.
346	FTPR invalid.
347	NFTP invalid.
348	Host reset is required after the last FW Update operation.
349	Update to Image with lower TCB SVN is not allowed.
350	Partial update is allowed only to the expected instance ID of an IUP. The Update Image contains IUP with instance ID that is not the currently expected one by the FW. To update LOCL, please use The Intel Management and Security Status (IMSS) tool.
351	Partial Update is not allowed, because CSE is in Recovery Mode.
352	Partial Update of an IUP was requested, but this IUP doesn't exist in the Flash Image.
353	Get Restore Point Image is not allowed, because FW Update is in progress. (The regular FW Update will continue).
354	Update to Image with lower VCN is not allowed.
355	SVN invalid: SVN is too large.
356	PSVN partition is full, so cannot update to higher SVN.
357	Restore Point Image was requested, but it is not allowed because CSE is in Recovery Mode.
358	Display Partition Version failed.
359	Restore Point Image was requested, but there was Full/Partial FW Update before without Restart after it.
360	Update to incompatible PMC: The PMC instance ID is different, which may be due to H/LP SKU incompatibility.
361	Update to incompatible H/LP SKU image.
362	Update Image length is bigger than the expected size of the image according to its size in the flash. For example: Error on updating from Consumer to Corporate.

Error Code	Error Message
363	Manifest size in Update Image is too large.
364	Firmware update failed due to an internal error 364.
365	Firmware update failed due to an internal error 365.
366	Failed to verify signature of OEM or RoT key manifests. For example: Error on update from Production to Pre-Production.
367	Firmware update failed due to an internal error 367.
368	Firmware update failed due to an internal error 368.
369	Firmware update failed due to an internal error 369.
370	Manifest not found in partition (in Update or Flash Image).
371	Firmware update failed due to an internal error 371.
372	Loader failed to verify manifest signature of FTPR. Production vs. Pre-Production.
373	Loader failed to verify manifest signature of NFTP.
374	Loader failed to verify manifest signature of IDLM.
375	Loader failed to verify manifest signature of RBE.
376	Loader failed to verify manifest signature of PMC.
377	Loader failed to verify manifest signature of OEM KM.
378	Loader failed to verify manifest signature of WCOD.
379	Loader failed to verify manifest signature of LOCL.
380	Loader failed to verify manifest signature of PCHC.
381	Loader failed to verify manifest signature of IOMP.
382	Loader failed to verify manifest signature of NPHY.
383	Loader failed to verify manifest signature of TBTP.
384	Loader failed to verify manifest signature of ISHC.
385	Loader failed to verify manifest signature of IUNIT.
386	Some manifest extension is missing in FTPR.
387	Some manifest extension is missing in NFTP.
388	Some manifest extension is missing in IDLM.
389	Some manifest extension is missing in RBE.
390	Some manifest extension is missing in PMC. Wrong MEU Tool was used to create the partition.
391	Some manifest extension is missing in OEM KM. Wrong MEU Tool was used to create the partition.
392	Some manifest extension is missing in WCOD.
393	Some manifest extension is missing in LOCL.
394	Some manifest extension is missing in PCHC. Wrong MEU Tool was used to create the partition.
395	Some manifest extension is missing in IOMP. Wrong MEU Tool was used to create the partition.
396	Some manifest extension is missing in NPHY. Wrong MEU Tool was used to create the partition.

Error Code	Error Message
397	Some manifest extension is missing in TBTP. Wrong MEU Tool was used to create the partition.
398	Some manifest extension is missing in ISHC. Wrong MEU Tool was used to create the partition.
399	Some manifest extension is missing in IUNIT. Wrong MEU Tool was used to create the partition.
400	FTPR partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
401	NFTP partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
402	DLMP partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
403	RBEP partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
404	PMCP partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
405	OEMP partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
406	WCOD partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
407	LOCL partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
408	PCHC partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
409	IOMP partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
410	NPHY partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
411	TBTP partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
412	ISHC partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
413	IUNP partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
414	Place holder. This error code will not be returned by the FW.
415	Place holder. This error code will not be returned by the FW.
416	Place holder. This error code will not be returned by the FW.
417	Place holder. This error code will not be returned by the FW.



Error Code	Error Message
418	PMCP must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update.
419	OEMP must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update.
420	WCOD must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
421	LOCL must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
422	PCHC must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
423	IOMP must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
424	NPHY must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
425	TBTP must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
426	ISHC must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
427	IUNP must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
428	The size of an Update partition is bigger than the size of the Flash partition.
429	Location of partition to backup is not inside NFTP.
430	The number of IUPs in the Update/Flash Image is bigger than MAX_IUPS.
431	Partition name inside IUPs list (in FTPR manifest extension) is not IUP.
432	Non-optional IUP (like LOCL, WCOD) inside IUPs list (in FTPR manifest extension) is not in the Update Image.
433	PMC partition is not in the Update Image.
434	It is not allowed to do Partial Update on this partition.
435	It is not allowed to do Partial Update on Type-C partitions, according to NVAR [Intel(R) AMT HW Status].
436	RBEP and NFTP must have the same version as FTPR, in the Update Image.
437	RBEP and NFTP must have the same SVN as FTPR, in the Update Image.
438	RBEP and NFTP must have the same VCN as FTPR, in the Update Image.
439	Non-optional IUPs (like LOCL, WCOD) must have the same major build version as FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
440	Update IUP must not have SVN smaller than SVN of Flash IUP.

Error Code	Error Message
441	Update Image length is not the same as Flash Image length.
442	Update IUP must not have VCN smaller than VCN of Flash IUP.
443	Update from PV bit ON to PV bit OFF is not allowed.
444	Update to PV bit OFF on Revenue platform is not allowed.
445	Update to higher SVN must be an upgrade - to higher build version.
446	Update to higher SVN must be to a higher Hot Fix number (the third number in the build version).
447	Non-optional IUP (like LOCL, WCOD) inside IUPs list (in FTPR manifest extension) is not in the Flash Image.
448	A partition that was searched in the Update Image is not in it.
449	Update between engineering build vs regular build is not allowed. Both builds have to be the same type: regular or engineering build. Engineering build is 7000 and above. Regular build is below 7000.
450	OEM KM partition is not in the Update Image, but ISHC/IUNP is in the Update Image, which is not allowed.
451	ISHC/IUNP do not exist in the same way in the Update Image and in the Flash Image.
452	OEM KM partition is not in the Flash Image, but it is in the Update Image, which is not allowed.
453	Partial FW Update: the Update Image contains IUP that is different than the one that was requested to be updated in the Partial Update command.
454	The Partial Update Image size is different than the size of the IUP in it (as it is in the manifest). This means that the Update Image contains more (or less) than the IUP partition.
455	Firmware update failed due to an internal error 455.
456	Firmware update failed due to an internal error 456.
457	Invalid FW Update enabled state.
458	Firmware update failed due to an internal error 458.
459	Firmware update failed due to an internal error 459.
460	Get Restore Point Image is not allowed, because a previous Get Restore Point operation already started. Both operations will be aborted. (Get Restore Point can be started again after this).
461	Firmware update failed due to an internal error 461.
462	Heci message length is not as expected.
463	FWU_START_MSG Heci message contains invalid value in UpdateEnvironment. Value should be FWU_ENV_MANUFACTURING. (Other possible value: FWU_ENV_IFU is obsolete).
464	FWU_DATA Heci command was sent, but the FW Update wasn't started with FWU_START Heci command before it.
465	Firmware update failed due to an internal error 465.

Error Code	Error Message
466	FW Update is not possible on UFS Flash after End Of Post (after the OS is running). It is possible only before the OS is running using Bios Capsule Update.
467	DPHY must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
468	DPHY partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
469	Some manifest extension is missing in DPHY. Wrong MEU Tool was used to create the partition.
470	Loader failed to verify manifest signature of DPHY.
471	Update to higher TCB SVN must be also to higher ARB SVN.
472	Invalid Partition ID. Use a Partition ID which is on the Flash Image.
473	Display Partition Vendor ID failed.
474	Wrong structure of Update Image.
475	Flash Image content is invalid.
476	Firmware update failed due to an internal error 476.
477	Firmware update failed due to an internal error 477.
478	Firmware update failed due to an internal error 478.
479	FWU_END Heci command was sent, but there was no FWU_DATA command before it.
480	FWU_DATA Heci command has invalid data length (too big).
481	FW Update process received Heci command message with unknown command type.
482	Cannot obtain ME Mode.
484	BIOS does not support boot measurements.
485	BIOS does not support Trusted Device Setup boot.
486	This command is not supported on Slim SKU.
487	ODM ID \ System Integrator ID \ Reserved ID: value already set.
488	File already exists.
489	ME FW version mismatch, actual value is - %s.
490	Intel(R) Gbe version mismatch, actual value is - %s.
491	BIOS version mismatch, actual value is - %s.
492	System UUID mismatch, actual value is - %s.
493	Intel(R) Wired LAN MAC address mismatch, actual value is - %s.
494	Intel(R) Wireless LAN MAC address mismatch, actual value is - %s.
495	Wireless LAN micro-code mismatch, actual value is - %s.
496	Firmware Update OEM ID mismatch, actual value is - %s.
497	Touch - Vendor ID mismatch, actual value is - %s.
498	Invalid PKI suffix file.

Error Code	Error Message
499	Update to Image with lower ARB SVN is not allowed.
500	RBEP and NFTP must have the same unique build as FTPR, in the Update Image.
501	Firmware update failed due to an internal error 501.
502	RPMB fuse is set. Cannot commit FPFs [Intel(R) AMT HW Status].
503	PCHC partition is not in the Update Image.
504	Mismatch between FPF [Intel(R) AMT HW Status] UEP and HW values.
505	Invalid Update Image length, size is smaller than required.
506	The internal structure of the Update Image is corrupted.
507	Update Image has wrong structure for Full Update operation.
508	Update Image has wrong structure for Partial Update operation.
509	Mandatory partitions (FTPR / NFTP / RBEP) were not found in the Update Image.
510	Number of IUPs in FW exceeds allowed maximum.
511	Invalid config file. Unknown test name found - %s.
512	Missing a required partition manifest in the Update Image.
513	Missing a required partition manifest extension in the Update Image.
514	The VAR invalid data size.
515	Update Image size exceeds allocated buffer.
516	FW failed to read FWSTS register.
517	Firmware update failed due to an internal error Read file failed.
518	Firmware update failed due to an internal error 518.
519	Full FW Update using same version is not allowed. Include /s in command line to allow it.
520	Invalid MPHY length.
521	FW failed to set ISH configuration file.
522	PCIe connectivity failure. Unable to connect to vPro NIC through designated bus.
523	SMBUS connectivity failure. Unable to connect to vPro NIC through designated bus.
524	Conflict in OEM Data: Overlapping values of LSPCON Port Config and eDP Port Config found.
525	Invalid configuration server FQDN value.
526	Invalid host FQDN file.
527	One or more GPIO pads provided in file have invalid ownership mode set.
528	One or more GPIO pads provided in file have invalid pad mode set.
529	Two or more GPIO pads provided in file have same feature field value set.
530	One or more GPIO pads provided in file have invalid feature field value set.

Error Code	Error Message
531	Invalid cert hash file.
532	Invalid host FQDN domain name.
533	Invalid host FQDN hostname.
534	ODM ID \\ System Integrator ID \\ Reserved ID: invalid size.
535	ODM ID \\ System Integrator ID \\ Reserved ID: invalid value.
536	One or more GPIO pads provided in file have invalid pad address set (group / pad number).
537	Two or more GPIO pads provided in file have same pad address set.
538	Update this var is not supported if AMT is provisioned.
539	Unsupported combination of EHBC state and privacy level files.
540	CSE is in Recovery Mode but FWSTS registers report Normal Mode.
541	The Flash Image that was burned on the platform was corrupted. CSE is in Recovery Mode at first boot.
542	Clear option is not supported for Hashed vars.
543	Update FTPR must have the same NVM compatibility (SPI/UFS) as Flash FTPR.
544	Incorrect API version.
545	Update RBEP must have the same NVM compatibility (SPI/UFS) as Flash RBEP.
546	Update NFTP must have the same NVM compatibility (SPI/UFS) as Flash NFTP.
547	Update IUP must have the same NVM compatibility (SPI/UFS) as Flash IUP.
548	Flash wear out violation.
549	Flash corruption.
550	Profile is not selectable in BIOS.
551	Profile index is too large.
552	No such profile in flash.
553	Command is not supported after EOP.
554	No such record.
555	File not found.
556	Invalid record format.
557	UOB record is too large.
558	Clock is not configurable
559	Register is locked.
560	No valid PRE UOB.
561	No valid PERM UOB.
562	No data for this clock.
563	Profile index is current.
564	No bclk adjustment found.
565	Warm reset ramp is not supported.

Error Code	Error Message
566	UOB record is already invalid.
567	No profile exists.
568	Authentication failure.
569	Pending file.
571	Frequency is too high.
572	Pending to revert to default.
573	Pending to set profile.
574	Invalid profile
575	Invalid OEM data.
576	Failed to read dynamic record.
578	Frequency is too low.
580	SSC mode change is not supported.
581	Range Violation: SSC is too high.
582	Survivability sync disabled.
583	Warm reset required is too low.
584	Specified target ID does not exist.
585	Specified register does not exist.
586	Invalidate successful.
588	Valid UOB already present.
589	Waiting for power cycle.
590	Survivability table access violation.
591	Survivability table is too large.
592	EID does not exist.
593	Success translate only.
594	Failure in reading PCIe Data.
595	Failure in writing PCIe Data.
596	Invalid PCIe configuration data.
597	CMD not supported before DID.
598	FIA MUX error - max config sku mismatch.
599	FIA MUX error - no config found.
600	FIA MUX error - getting laned limit.
601	FIA MUX error - reading configuration from file.
602	FIA MUX error - prompting to global reset.
603	Invalid FIA MUX configuration.
604	FIA MUX error - reading configuration to file.
605	FIA MUX error - reading configuration from straps.
606	Max bundles record reached.
607	Specified PLL is not supported
608	Data item unsupported.
609	Oem profile card violation.

Error Code	Error Message
612	Invalid argument.
613	AMT Ipv4 Interface is disabled.
614	Interface does not exists.
615	Invalid user consent policy file.
616	Anti Rollback SVN feature is disabled.
617	Input file is too big.
618	PCHC FW version mismatch, actual value is - %s
619	Update of partition between engineering build vs regular build is not allowed.
620	Unknown hardware platform.
621	Unsupported hardware platform. %s
622	Input configurable file contains cse file name duplicates.
623	ISIF must have the same major API version as the version inside the list in FTPR, Partial Update.
624	ISIF partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
625	Some manifest extension is missing in ISIF. Wrong MEU Tool was used to create the partition.
626	Loader failed to verify manifest signature of ISIF.
627	ISIC must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
628	ISIC partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
629	Some manifest extension is missing in ISIC. Wrong MEU Tool was used to create the partition.
630	Loader failed to verify manifest signature of ISIC.
631	have the same FW Type and Sub-Type as Flash FTPR
632	SAMF must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
633	SAMF partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
634	Some manifest extension is missing in SAMF. Wrong MEU Tool was used to create the partition.
635	Loader failed to verify manifest signature of SAMF.
636	PPHY must have the same major API version as the version inside the list in FTPR, in the Update Image for Full Update, in the Flash Image for Partial Update.
637	PPHY partition hash and calculated hash are not the same. If partition hash is zero - wrong MEU Tool was used to create the partition.
638	Some manifest extension is missing in PPHY. Wrong MEU Tool was used to create the partition.
639	Loader failed to verify manifest signature of PPHY.
640	Using driverless mode. Not initializing PCI.

Error Code	Error Message
641	Using driverless mode. Not initializing SPI.
647	It is not allowed to enable NVAR [Intel(R) AMT Supported] when FPF [Intel(R) AMT HW Status] is set to disabled.
648	FPF [Intel(R) AMT HW Status] is set to disabled, but NVAR [Intel(R) AMT Supported] is enabled.
649	FPF [Intel(R) AMT HW Status] is set to disabled, but [Intel(R) AMT HW Status EFS] is enabled.
668	CSE is in Unlocked Mode. FW Update is not possible.
669	SAM and PPHY sub-partitions are not present.
670	SAM sub-partition is not present.
671	PPHY sub-partition is not present.
676	Invalid value for Signing Policy
677	Invalid value for Reseal Timeout
678	Read PCI failed.
679	Write PCI failed.
680	Read MMIO failed.
681	Write MMIO failed.
682	Reboot failed.
683	Get SPI MMIO failed.
684	Extract resource failed.
685	Creating temporary folder for driver installation failed.
686	Creating path for driver installation failed.
687	Handling WOW64 redirection for driver installation failed.
688	Delete file when uninstalling driver failed.
689	Creating driver failed.
690	Starting driver failed.
691.	Stopping driver failed.
692	Removing driver failed.
693	Driver operation failed.
694	WDF installer failure.
695	Driver installation failed.
696	Uninstalling driver failed.