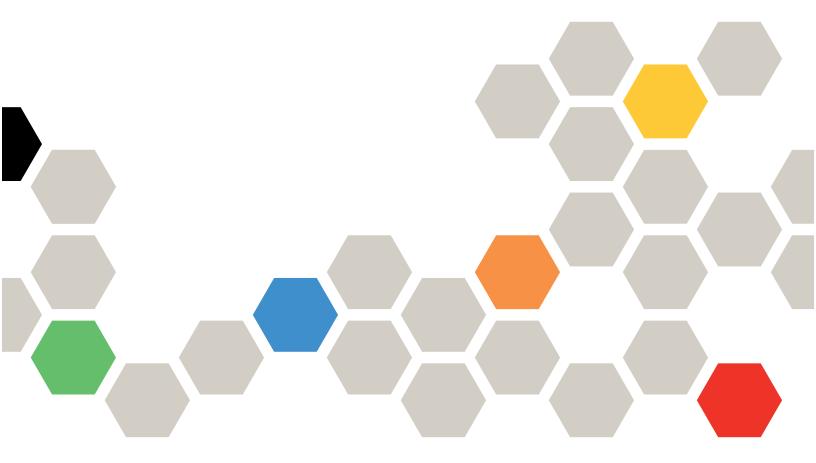# ThinkSystem HS350X V3
Messages and Codes Reference

Machine Type: 7DE3

Note

Before using this information and the product it supports, be sure to read and understand the safety information and the safety instructions, which are available at:
http://thinksystem.lenovofiles.com/help/topic/safety_documentation/pdf_files.html

In addition, be sure that you are familiar with the terms and conditions of the Lenovo warranty for your server, which can be found at:
http://datacentersupport.lenovo.com/warrantylookup

Contents

Chapter 1. Messages

When attempting to resolve issues with your server, the best practice is to begin with the event log of the application that is managing the server.

The event log contains server hardware events that are recorded by the BMC. In addition, events can be generated when you perform diagnostic testing on hard drives or memory through BMC.

For each event, a user action is available to help you understand what must be done to resolve the issue.

Chapter 2. BMC error messages

When a hardware event is detected by the BMC on the server, the BMC writes that event in the system-event log on the server.

For each event code, the following fields are displayed:

Event identifier
An identifier that uniquely identifies an event.

Explanation
Provides additional information to explain why the event occurred.

Severity
An indication of the level of concern for the condition. The following severities can be displayed.

- **Informational**. The event was recorded for audit purposes, usually a user action or a change of states that is normal behavior.

- **Warning**. The event is not as severe as an error, but if possible, the condition should be corrected before it becomes an error. It might also be a condition that requires additional monitoring or maintenance.

- **Error**. The event is a failure or critical condition that impairs service or an expected function.

Serviceable
Specifies whether user action is required to correct the problem.

User response
Indicates what actions you should perform to solve the event. Perform the steps listed in this section in the order shown until the problem is solved. If you cannot solve the problem after performing all steps, contact Lenovo Support.

Chapter 3. BMC events organized by severity

The following table lists all BMC events, organized by severity (Information, Error, and Warning).

Table 1. Events organized by severity

Event ID	Message String	Severity
A01810407	The specified temperature upper non critical going high deasserted	Informational
A01810409	The specified temperature upper critical going high deasserted	Informational
A0181040B	The specified temperature upper non recoverable going high deasserted	Informational
A02810400	The specified voltage lower non critical going low deasserted	Informational
A02810402	The specified voltage lower critical going low deasserted	Informational
A02810404	The specified voltage lower non recoverable going low deasserted	Informational
A02810407	The specified voltage upper non critical going high deasserted	Informational
A02810409	The specified voltage upper critical going high deasserted	Informational
A0281040B	The specified voltage upper non recoverable going high deasserted	Informational
A04080201	The specified fan device present asserted	Informational
A04810400	The specified fan speed lower non critical going low deasserted	Informational
A04810402	The specified fan speed lower critical going low deasserted	Informational
A04810407	The specified fan speed upper non critical going high deasserted	Informational
A04810409	The specified fan speed upper critical going high deasserted	Informational
A04840401	The specified fan predictive failure asserted deasserted	Informational
A076F0207	Processor presence detected asserted	Informational
A07830401	Processor prochot state asserted deasserted	Informational
A07EF0400	Processor IERR deasserted	Informational
A07EF0401	Processor thermal trip deasserted	Informational
A07EF040B	Processor uncorrectable machine check exception deasserted	Informational
A080B0200	The specified power supply fully redundant asserted	Informational
A086F0200	The specified power supply presence detected asserted	Informational
A08EF0401	The specified power supply failure detected deasserted	Informational
A08EF0402	The specified power supply predictive failure deasserted	Informational
A08EF0403	The specified power supply input lost (AC/DC) deasserted	Informational
A0C6F0206	The specified memory presence detected asserted	Informational
A0D6F0200	The specified drive slot drive presence asserted	Informational
A0DEF0400	The specified drive slot NVMe drive presence deasserted	Informational
A0DEF0401	The specified drive slot drive fault deasserted	Informational

Table 1. Events organized by severity (continued)

Event ID	Message String	Severity
A0F6F0200	System firmware error asserted	Informational
A106F0202	Log area reset asserted	Informational
A106F0203	All event logging disabled asserted	Informational
A106F0204	SEL full asserted	Informational
A126F0204	PEF action asserted	Informational
A126F0205	Timestamp clock synch asserted	Informational
A146F0200	power button pressed asserted	Informational
A226F0200	System ACPI power state in S0/G0 working asserted	Informational
A226F0205	System ACPI power state in S5/G2 soft off asserted	Informational
A236F0200	Watchdog2 timer expired asserted	Informational
A236F0201	Watchdog2 hard reset asserted	Informational
A236F0202	Watchdog2 power down asserted	Informational
A236F0203	Watchdog2 power cycle asserted	Informational
A236F0208	Watchdog2 timer interrupt asserted	Informational
B076F0202	Processor FRB1/BIST failure asserted	Informational
B076F0205	Processor configuration corrected error asserted	Informational
B07EF0402	Processor FRB1/BIST failure deasserted	Informational
B07EF0403	Processor FRB2/hang in POST failure deasserted	Informational
B07EF0405	Processor configuration error deasserted	Informational
B0C6F0200	The specified memory correctable ECC asserted	Informational
B0CEF0400	The specified memory correctable ECC deasserted	Informational
B0CEF0401	The specified memory uncorrectable ECC deasserted	Informational
B0CEF0404	The specified memory memory device disabled deasserted	Informational
B0CEF0405	The specified memory correctable ECC logging limit reached deasserted	Informational
B0DEF0401	The specified drive slot drive fault deasserted	Informational
B0DEF0402	The specified drive slot predictive failure deasserted	Informational
B136F0203	Software NMI asserted	Informational
B136F0207	Bus correctable error asserted	Informational
B13EF0403	Software NMI deasserted	Informational
B13EF0404	PCI PERR deasserted	Informational
B13EF0405	PCI SERR deasserted	Informational
B13EF0407	Bus correctable error deasserted	Informational
B13EF0408	Bus uncorrectable error deasserted	Informational
B13EF040A	Bus fatal error deasserted	Informational

Table 1. Events organized by severity (continued)

Event ID	Message String	Severity
B13EF040B	Bus degraded deasserted	Informational
B1D6F0200	System boot initiated by power up asserted	Informational
B1D6F0201	System boot initiated by hard reset asserted	Informational
B1D6F0202	System boot initiated by warm reset asserted	Informational
B1D6F0205	System boot OS/run-time software initiated hard reset asserted	Informational
B1D6F0206	System boot OS/run-time software initiated warm reset asserted	Informational
B1F6F0201	OS boot completed asserted	Informational
B28EF0403	Management controller unavailable deasserted	Informational
B29EF0401	Battery failed deasserted	Informational
A01010807	The specified temperature upper non critical going high asserted	Warning
A02010800	The specified voltage lower non critical going low asserted	Warning
A02010807	The specified voltage upper non critical going high asserted	Warning
A04010800	The specified fan speed lower non critical going low asserted	Warning
A04010807	The specified fan speed upper non critical going high asserted	Warning
A04040801	The specified fan predictive failure asserted asserted	Warning
A04080800	The specified fan device absent asserted	Warning
A07030801	Processor prochot state asserted asserted	Warning
A080B0801	The specified power supply redundancy lost asserted	Warning
A086F0802	The specified power supply predictive failure asserted	Warning
A086F0803	The specified power supply input lost (AC/DC) asserted	Warning
A08EF0800	The specified power supply presence detected deasserted	Warning
A0CEF0806	The specified memory presence detected deasserted	Warning
A0DEF0800	The specified drive slot SAS/SATA drive presence deasserted	Warning
B076F0805	Processor configuration non-fatal error asserted	Warning
B0C6F0804	The specified memory memory device disabled asserted	Warning
B0C6F0805	The specified memory correctable ECC logging limit reached asserted	Warning
B0D6F0802	The specified drive slot predictive failure asserted	Warning
B136F080B	Bus degraded asserted	Warning
B286F0803	Management controller unavailable asserted	Warning
A01011009	The specified temperature upper critical going high asserted	Error
A0101200B	The specified temperature upper non recoverable going high asserted	Error
A02011002	The specified voltage lower critical going low asserted	Error
A02011009	The specified voltage upper critical going high asserted	Error
A02012004	The specified voltage lower non recoverable going low asserted	Error

Table 1. Events organized by severity (continued)

Event ID	Message String	Severity
A0201200B	The specified voltage upper non recoverable going high asserted	Error
A04011002	The specified fan speed lower critical going low asserted	Error
A04011009	The specified fan speed upper critical going high asserted	Error
A076F1000	Processor IERR asserted	Error
A076F1001	Processor thermal trip asserted	Error
A076F100B	Processor uncorrectable machine check exception asserted	Error
A086F1001	The specified power supply failure detected asserted	Error
A0D6F1001	The specified drive slot drive fault asserted	Error
B076F1003	Processor FRB2/hang in POST failure asserted	Error
B076F1005	Processor configuration fatal error asserted	Error
B0C6F2001	The specified memory uncorrectable ECC asserted	Error
B0D6F1001	The specified drive slot drive fault asserted	Error
B0F6F1000	System firmware error asserted	Error
B0F6F1001	System firmware hang asserted	Error
B136F1004	PCI PERR asserted	Error
B136F1008	Bus uncorrectable error asserted	Error
B136F2005	PCI SERR asserted	Error
B136F200A	Bus fatal error asserted	Error
B296F1001	Battery failed asserted	Error

Chapter 4. List of BMC events

This section lists all messages that can be sent from BMC.

- **A01010807: The specified temperature upper non critical going high asserted**

  Upper Non-Critical - Going High

  > Severity: Warning
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Check the BMC event logs for any cooling issues.
  2. Make sure that the airflow in the front and rear of the chassis is not obstructed and that fillers are correctly installed in place.
  3. Make sure that the room temperature is within the range specified in the operating environment specifications.
  4. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A01011009: The specified temperature upper critical going high asserted**

  Upper Critical - Going High

  > Severity: Error
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Check the BMC event logs for any cooling issues.
  2. Make sure that the airflow in the front and rear of the chassis is not obstructed and that fillers are correctly installed in place.
  3. Make sure that the room temperature is within the range specified in the operating environment specifications.
  4. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A0101200B: The specified temperature upper non recoverable going high asserted**

  Upper Non-Recoverable-Going High

  > Severity: Error
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Check the BMC event logs for any cooling issues.

2. Make sure that the airflow in the front and rear of the chassis is not obstructed and that fillers are correctly installed in place.

3. Make sure that the room temperature is within the range specified in the operating environment specifications.

4. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A01810407: The specified temperature upper non critical going high deasserted**

  Upper Non-Critical - Going High

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **A01810409: The specified temperature upper critical going high deasserted**

  Upper Critical - Going High

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **A0181040B: The specified temperature upper non recoverable going high deasserted**

  Upper Non-Recoverable-Going High

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **A02010800: The specified voltage lower non critical going low asserted**

  Lower Non-Critical - Going Low

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. If the specified sensor is P3V_BAT, replace the battery.

  2. If the specified sensor is SCM_P12V_AUX, SCM_P5V_AUX, SCM_P3V3_AUX, replace the DC-SCM board.

  3. If the specified sensor is PVCCINFAON_V, PVCCFAEHVFIVRA_V, PVCCIN_V, PVCCFA_EHV_V, PVCCD_HV_V, P1V8_PCH_AUX, P1V05_PCH_AUX, P5_AUX, P3V3_AUX, PVNN_PCH_AUX, P5V, P3V3, replace the system board (trained technician only).

4. If the specified sensor is P12V_AUX, P12V_F_HDD, P12V_R_HDD, check BMC event logs for power-supply-related issues and resolve those issues.

5. If the problem remains, replace the system board (trained technician only).

6. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support .

- **A02010807: The specified voltage upper non critical going high asserted**

  Upper Non-Critical - Going High

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. If the specified sensor is P3V_BAT, replace the battery.

  2. If the specified sensor is SCM_P12V_AUX, SCM_P5V_AUX, SCM_P3V3_AUX, replace the DC-SCM board.

  3. If the specified sensor is PVCCINFAON_V, PVCCFAEHVFIVRA_V, PVCCIN_V, PVCCFA_EHV_V, PVCCD_HV_V, P1V8_PCH_AUX, P1V05_PCH_AUX, P5_AUX, P3V3_AUX, PVNN_PCH_AUX, P5V, P3V3, replace the system board (trained technician only).

  4. If the specified sensor is P12V_AUX, P12V_F_HDD, P12V_R_HDD, check BMC event logs for power-supply-related issues and resolve those issues.

  5. If the problem remains, replace the system board (trained technician only).

  6. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support .

- **A02011002: The specified voltage lower critical going low asserted**

  Lower Critical - Going Low

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. If the specified sensor is P3V_BAT, replace the battery.

  2. If the specified sensor is SCM_P12V_AUX, SCM_P5V_AUX, SCM_P3V3_AUX, replace the DC-SCM board.

  3. If the specified sensor is PVCCINFAON_V, PVCCFAEHVFIVRA_V, PVCCIN_V, PVCCFA_EHV_V, PVCCD_HV_V, P1V8_PCH_AUX, P1V05_PCH_AUX, P5_AUX, P3V3_AUX, PVNN_PCH_AUX, P5V, P3V3, replace the system board (trained technician only).

  4. If the specified sensor is P12V_AUX, P12V_F_HDD, P12V_R_HDD, check BMC event logs for power-supply-related issues and resolve those issues.

  5. If the problem remains, replace the system board (trained technician only).

  6. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support .

- **A02011009: The specified voltage upper critical going high asserted**

  Upper Critical - Going High

Severity: Error
Serviceable: Yes
Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. If the specified sensor is P3V_BAT, replace the battery.

2. If the specified sensor is SCM_P12V_AUX, SCM_P5V_AUX, SCM_P3V3_AUX, replace the DC-SCM board.

3. If the specified sensor is PVCCINFAON_V, PVCCFAEHVFIVRA_V, PVCCIN_V, PVCCFA_EHV_V, PVCCD_HV_V, P1V8_PCH_AUX, P1V05_PCH_AUX, P5_AUX, P3V3_AUX, PVNN_PCH_AUX, P5V, P3V3, replace the system board (trained technician only).

4. If the specified sensor is P12V_AUX, P12V_F_HDD, P12V_R_HDD, check BMC event logs for power-supply-related issues and resolve those issues.

5. If the problem remains, replace the system board (trained technician only).

6. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support .

- **A02012004: The specified voltage lower non recoverable going low asserted**

   Lower Non-Recoverable-Going Low

   Severity: Error
   Serviceable: Yes
   Automatically notify Support: No

   User Action:

   Complete the following steps until the problem is solved:

   1. If the specified sensor is P3V_BAT, replace the battery.

   2. If the specified sensor is SCM_P12V_AUX, SCM_P5V_AUX, SCM_P3V3_AUX, replace the DC-SCM board.

   3. If the specified sensor is PVCCINFAON_V, PVCCFAEHVFIVRA_V, PVCCIN_V, PVCCFA_EHV_V, PVCCD_HV_V, P1V8_PCH_AUX, P1V05_PCH_AUX, P5_AUX, P3V3_AUX, PVNN_PCH_AUX, P5V, P3V3, replace the system board (trained technician only).

   4. If the specified sensor is P12V_AUX, P12V_F_HDD, P12V_R_HDD, check BMC event logs for power-supply-related issues and resolve those issues.

   5. If the problem remains, replace the system board (trained technician only).

   6. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support .

- **A0201200B: The specified voltage upper non recoverable going high asserted**

   Upper Non-Recoverable-Going High

   Severity: Error
   Serviceable: Yes
   Automatically notify Support: No

   User Action:

   Complete the following steps until the problem is solved:

   1. If the specified sensor is P3V_BAT, replace the Battery (trained technician only).

2. If the specified sensor is SCM_P12V_AUX, SCM_P5V_AUX, SCM_P3V3_AUX, replace the DC-SCM board.

3. If the specified sensor is PVCCINFAON_V, PVCCFAEHVFIVRA_V, PVCCIN_V, PVCCFA_EHV_V, PVCCD_HV_V, P1V8_PCH_AUX, P1V05_PCH_AUX, P5_AUX, P3V3_AUX, PVNN_PCH_AUX, P5V, P3V3, replace the system board (trained technician only).

4. If the specified sensor is P12V_AUX, P12V_F_HDD, P12V_R_HDD, check BMC event logs for power-supply-related issues and resolve those issues.

5. If the problem remains, replace the system board (trained technician only).

6. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A02810400: The specified voltage lower non critical going low deasserted**

  Lower Non-Critical - Going Low

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A02810402: The specified voltage lower critical going low deasserted**

  Lower Critical - Going Low

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A02810404: The specified voltage lower non recoverable going low deasserted**

  Lower Non-Recoverable-Going Low

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A02810407: The specified voltage upper non critical going high deasserted**

  Upper Non-Critical - Going High

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A02810409: The specified voltage upper critical going high deasserted**

  Upper Critical - Going High

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **A0281040B: The specified voltage upper non recoverable going high deasserted**

  Upper Non-Recoverable-Going High

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **A04010800: The specified fan speed lower non critical going low asserted**

  Lower Non-Critical - Going Low

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the failing fan indicated by BMC event logs.

  2. If the event still exists, replace the fan.

  3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A04010807: The specified fan speed upper non critical going high asserted**

  Upper Non-Critical - Going High

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the failing fan indicated by BMC event logs.

  2. If the event still exists, replace the fan.

  3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A04011002: The specified fan speed lower critical going low asserted**

  Lower Critical - Going Low

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

Complete the following steps until the problem is solved:

1. Reseat the failing fan indicated by BMC event logs.

2. If the event still exists, replace the fan.

3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A04011009: The specified fan speed upper critical going high asserted**

    Upper Critical - Going High

    > Severity: Error
    > Serviceable: Yes
    > Automatically notify Support: No

    User Action:

    Complete the following steps until the problem is solved:

    1. Reseat the failing fan indicated by BMC event logs.

    2. If the event still exists, replace the fan.

    3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A04040801: The specified fan predictive failure asserted asserted**

    Predictive Failure Asserted

    > Severity: Warning
    > Serviceable: Yes
    > Automatically notify Support: No

    User Action:

    Complete the following steps until the problem is solved:

    1. Check the BMC event logs to identify any fan errors.

    2. Reseat the fans. If the problem persists, replace any failed fans.

    3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A04080201: The specified fan device present asserted**

    Device Present

    > Severity: Information
    > Serviceable: No
    > Automatically notify Support: No

    User Action:

    No action

- **A04080800: The specified fan device absent asserted**

    Device Absent

    > Severity: Warning
    > Serviceable: Yes
    > Automatically notify Support: No

    User Action:

Complete the following steps until the problem is solved:

1. Check the BMC event logs to identify any fan errors.

2. Reseat the fans. If the problem persists, replace any failed fans.

3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A04810400: The specified fan speed lower non critical going low deasserted**

   Lower Non-Critical - Going Low

   Severity: Information
   Serviceable: No
   Automatically notify Support: No

   User Action:

   No action

- **A04810402: The specified fan speed lower critical going low deasserted**

   Lower Critical - Going Low

   Severity: Information
   Serviceable: No
   Automatically notify Support: No

   User Action:

   No action

- **A04810407: The specified fan speed upper non critical going high deasserted**

   Upper Non-Critical - Going High

   Severity: Information
   Serviceable: No
   Automatically notify Support: No

   User Action:

   No action

- **A04810409: The specified fan speed upper critical going high deasserted**

   Upper Critical - Going High

   Severity: Information
   Serviceable: No
   Automatically notify Support: No

   User Action:

   No action

- **A04840401: The specified fan predictive failure asserted deasserted**

   Predictive Failure Asserted

   Severity: Information
   Serviceable: No
   Automatically notify Support: No

   User Action:

No action

- **A07030801: Processor prochot state asserted asserted**

State Asserted

Severity: Warning
Serviceable: Yes
Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. Check the BMC event logs for any fan, cooling or power related issues.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed in place.
3. Make sure that the room temperature is within the range specified in the operating environment specifications.
4. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A076F0207: Processor presence detected asserted**

Presence detected

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **A076F1000: Processor IERR asserted**

IERR

Severity: Error
Serviceable: Yes
Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. Do an AC to the machine.
2. If the problem persists, check whether the BIOS firmware is the latest. If no, update it to the latest version.
3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A076F1001: Processor thermal trip asserted**

Thermal Trip

Severity: Error
Serviceable: Yes
Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. Check the BMC event logs for any fan or cooling issues.

2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are in place and correctly installed.

3. Make sure that the room temperature is within the range specified in operating environment specifications.

4. Make sure that the processor and heat sink are securely installed.

5. Make sure that the thermal grease is correctly applied.

6. If the problem persists, replace the processor and heat sink (trained technician only).

7. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A076F100B: Processor uncorrectable machine check exception asserted**

  Uncorrectable machine check exception

    Severity: Error
    Serviceable: Yes
    Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Verify that the processor is a valid option that is listed as a Server Proven device for this system. If a non-supported processor is identified, remove that processor and replace it with a supported processor.

  2. Check whether the BIOS firmware is the latest. If no, update it to the latest version.

  3. Check whether the processor and heat sink are installed well.

  4. Check the Lenovo support Web site for an applicable service bulletin or firmware update that applies to this processor error.

  5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A07830401: Processor prochot state asserted deasserted**

  State Asserted

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **A07EF0400: Processor IERR deasserted**

  IERR

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **A07EF0401: Processor thermal trip deasserted**

  Thermal Trip

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A07EF040B: Processor uncorrectable machine check exception deasserted**

  Uncorrectable machine check exception

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A080B0200: The specified power supply fully redundant asserted**

  Fully Redundant

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A080B0801: The specified power supply redundancy lost asserted**

  Redundancy Lost

  > Severity: Warning
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Check the PSU LED for both power supplies.

  2. If the LED is not lit, check power cord and input voltage.

  3. If one of the PSUs LED is lit amber when two PSUs parallel in the system, check the amber PSU's power cord and input voltage.

  4. If the LED is blink, remove and reinstall the power supply.

  5. If the LED is lit amber, replace the power supply.

  6. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A086F0200: The specified power supply presence detected asserted**

  Presence detected

  > Severity: Information
  > Serviceable: No

Automatically notify Support: No

User Action:

No action

- **A086F0802: The specified power supply predictive failure asserted**

  Predictive Failure

  > Severity: Warning
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Check the LEDs for both power supplies.
  2. If the LED is not lit, check power cord and input voltage.
  3. If the LED is blink, remove and reinstall the power supply.
  4. If the LED is lit amber, replace the power supply.
  5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A086F0803: The specified power supply input lost (AC/DC) asserted**

  Power Supply input lost (AC/DC)

  > Severity: Warning
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Check the power cord connections. Ensure that the power cords are correctly connected.
  2. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A086F1001: The specified power supply failure detected asserted**

  Power Supply Failure detected

  > Severity: Error
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if the power supplies come with the same input and power rating.
  2. If not, replace one of them to ensure that the power supplies are of the same input and power rating.
  3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A08EF0401: The specified power supply failure detected deasserted**

  Power Supply Failure detected

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **A08EF0402: The specified power supply predictive failure deasserted**

  Predictive Failure

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **A08EF0403: The specified power supply input lost (AC/DC) deasserted**

  Power Supply input lost (AC/DC)

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **A08EF0800: The specified power supply presence detected deasserted**

  Presence detected

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if PSUs are installed in the system. Ensure that the power supplies are correctly installed.

  2. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A0C6F0206: The specified memory presence detected asserted**

  Presence Detected

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **A0CEF0806: The specified memory presence detected deasserted**

  Presence Detected

  Severity: Warning

Serviceable: Yes
Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. If the problem persists, check whether any reported DIMMs are not properly seated. If yes, reseat them.

2. If the problem persists, visually inspect the DIMMs for physical damage, dust, or any other contamination on the connector or circuits. If yes, dust off the DIMMs, clean the contacts, and re-install them.

3. If the problem persists, visually inspect the DIMM slot for physical damage. Look for cracked or broken plastic on the slot. If yes, move the DIMM to another DIMM slot.

4. If the problem persists, perform a power cycle on the server from the management console.

5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

6. DIMM installation rules can be found in the ThinkSystem HS350XV3 User Guide in https://pubs. lenovo.com/hs350x-v3/memory_module_replacement.

- **A0D6F0200: The specified drive slot drive presence asserted**

  Drive Presence

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **A0D6F1001: The specified drive slot drive fault asserted**

  Drive Fault

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Search for any applicable service bulletins, Tech Tips or firmware updates related to this drive from the Support portal (https://datacentersupport.lenovo.com).

  2. Backup the data first and swap the drives with good drives. If the problem persists and follows the drives, replace them with good drives; if it follows the slot, check the connection between the backplane and the cable.

  3. If the problem persists, change a new RAID adapter if available.

- **A0DEF0400: The specified drive slot NVMe drive presence deasserted**

  Drive Presence

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

No action

- **A0DEF0401: The specified drive slot drive fault deasserted**

  Drive Fault

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A0DEF0800: The specified drive slot SAS/SATA drive presence deasserted**

  Drive Presence

  > Severity: Warning
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Search for any applicable service bulletins, Tech Tips or firmware updates related to this drive from the Support portal (https://datacentersupport.lenovo.com).

  2. Backup the data first and swap the drives with good drives. If the problem persists and follows the drives, replace them with good drives; if it follows the slot, check the connection between the backplane and the cable.

  3. If the problem persists, change a new RAID adapter if available.

- **A0F6F0200: System firmware error asserted**

  System Firmware Error (POST Error)

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A106F0202: Log area reset asserted**

  Log Area Reset/Cleared

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A106F0203: All event logging disabled asserted**

  All event logging disabled

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

User Action:

No action

- **A106F0204: SEL full asserted**

  SEL Full

  > Severity: Information
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Clean the system event logs.
  2. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **A126F0204: PEF action asserted**

  PEF Action

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A126F0205: Timestamp clock synch asserted**

  Timestamp Clock Synch

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A146F0200: power button pressed asserted**

  Power Button pressed

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **A226F0200: System ACPI power state in S0/G0 working asserted**

  S0/G0 'working

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

No action

- **A226F0205: System ACPI power state in S5/G2 soft off asserted**

S5/G2 - soft-off

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **A236F0200: Watchdog2 timer expired asserted**

Timer expired, status only (no action, no interrupt)

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **A236F0201: Watchdog2 hard reset asserted**

Hard Reset

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **A236F0202: Watchdog2 power down asserted**

Power Down

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **A236F0203: Watchdog2 power cycle asserted**

Power Cycle

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **A236F0208: Watchdog2 timer interrupt asserted**

Timer interrupt

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **B076F0202: Processor FRB1/BIST failure asserted**

  FRB1/BIST Failure

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **B076F0205: Processor configuration corrected error asserted**

  Configuration Error

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **B076F0805: Processor configuration non-fatal error asserted**

  Configuration Error

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Verify that the processor is a valid option that is listed as a Server Proven device for this system. If a non-supported processor is identified, remove that processor and replace it with a supported processor (trained-technician only).
  2. Check whether the BIOS firmware is the latest. If no, update it to the latest version.
  3. Check whether the processor and heat sink are installed well.
  4. Check the Lenovo support Web site for an applicable service bulletin or firmware update that applies to this processor error.
  5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B076F1003: Processor FRB2/hang in POST failure asserted**

  FRB2/hang in POST failure

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

Complete the following steps until the problem is solved:

1. Check whether the BIOS firmware is the latest. If no, update it to the latest version.
2. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B076F1005: Processor configuration fatal error asserted**

  Configuration Error

    Severity: Error
    Serviceable: Yes
    Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Verify that the processor is a valid option that is listed as a Server Proven device for this system. If a non-supported processor is identified, remove that processor and replace it with a supported processor.
  2. Check whether the BIOS firmware is the latest. If no, update it to the latest version.
  3. Check whether the processor and heat sink are installed well.
  4. Check the Lenovo support Web site for an applicable service bulletin or firmware update that applies to this processor error.
  5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B07EF0402: Processor FRB1/BIST failure deasserted**

  FRB1/BIST Failure

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B07EF0403: Processor FRB2/hang in POST failure deasserted**

  FRB2/hang in POST failure

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B07EF0405: Processor configuration error deasserted**

  Configuration Error

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B0C6F0200: The specified memory correctable ECC asserted**

  Correctable ECC

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **B0C6F0804: The specified memory memory device disabled asserted**

  Memory Device Disabled

  > Severity: Warning
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Check the DIMM's population, follow the population rules to re-install DIMMs.
  2. If the problem persists, repace those defected DIMMs and try again.
  3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B0C6F0805: The specified memory correctable ECC logging limit reached asserted**

  Correctable ECC logging limit reached

  > Severity: Warning
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Power off the system and remove the AC power cable.
  2. Reseat the affected DIMM.
  3. Insert the AC power cable and power on this system.
  4. Check if the problem would recur.
  5. For multiple occurrences, consider replacing the DIMM.

- **B0C6F2001: The specified memory uncorrectable ECC asserted**

  Uncorrectable ECC

  > Severity: Error
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Power off the system and remove the AC power cable.
  2. Reseat the affected DIMM.
  3. Insert the AC power cable and power on this system.

4. Check if the problem would recur.

5. For multiple occurrences, consider replacing the DIMM.

- **B0CEF0400: The specified memory correctable ECC deasserted**

  Correctable ECC

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **B0CEF0401: The specified memory uncorrectable ECC deasserted**

  Uncorrectable ECC

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **B0CEF0404: The specified memory memory device disabled deasserted**

  Memory Device Disabled

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **B0CEF0405: The specified memory correctable ECC logging limit reached deasserted**

  Correctable ECC logging limit reached

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **B0D6F0802: The specified drive slot predictive failure asserted**

  Predictive Failure

  > Severity: Warning
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Search for any applicable service bulletins, Tech Tips or firmware updates related to this drive from the Support portal (https://datacentersupport.lenovo.com).

2. If the problem persists, collect service data logs from the management console and contact Lenovo Support.

- **B0D6F1001: The specified drive slot drive fault asserted**

  Drive Fault

  > Severity: Error
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Search for any applicable service bulletins, Tech Tips or firmware updates related to this drive from the Support portal (https://datacentersupport.lenovo.com).
  2. If the problem persists, collect service data logs from the management console and contact Lenovo Support.

- **B0DEF0401: The specified drive slot drive fault deasserted**

  Drive Fault

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **B0DEF0402: The specified drive slot predictive failure deasserted**

  Predictive Failure

  > Severity: Information
  > Serviceable: No
  > Automatically notify Support: No

  User Action:

  No action

- **B0F6F1000: System firmware error asserted**

  System Firmware Error (POST Error)

  > Severity: Error
  > Serviceable: Yes
  > Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. Check whether the BIOS firmware is the latest. If no, update it to the latest version.
  2. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B0F6F1001: System firmware hang asserted**

  System Firmware Hang

  > Severity: Error

Serviceable: Yes
Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. Check whether the BIOS firmware is the latest. If no, update it to the latest version.

2. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B136F0203: Software NMI asserted**

Software NMI

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **B136F0207: Bus correctable error asserted**

Bus Correctable error

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **B136F080B: Bus degraded asserted**

Bus Degraded (bus operating in a degraded performance)

Severity: Warning
Serviceable: Yes
Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. If the server and/or any attached cables were recently installed, moved, serviced or upgraded, check whether the processor, the adapter and any attached cables is properly seated and check visually whether there is any foreign material in the processor socket and any PCIe slot. If yes, reseat the processor, the adapter and any attached cables or clean the foreign material from processor socket and that PCIe slot.

2. Reload the device driver.

3. Check the Lenovo support site for an applicable device driver, firmware update, or other information that applies to this error. Load the new device driver and install any required firmware updates.

4. Swap other PCIe devices in the slot, if the problem recurs on the same PCIe slot, inspect the PCIe slot for any damage. If the problem is solved, change another identical PCIe card to check whether the problem can be solved again.

5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B136F1004: PCI PERR asserted**

PCI PERR

Severity: Error
Serviceable: Yes
Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. If the server and/or any attached cables were recently installed, moved, serviced or upgraded, check whether the processor, the adapter and any attached cables is properly seated and check visually whether there is any foreign material in the processor socket and any PCIe slot. If yes, reseat the processor, the adapter and any attached cables or clean the foreign material from processor socket and that PCIe slot.

2. Reload the device driver.

3. Check the Lenovo support site for an applicable device driver, firmware update, or other information that applies to this error. Load the new device driver and install any required firmware updates.

4. Swap other PCIe devices in the slot, if the problem recurs on the same PCIe slot, inspect the PCIe slot for any damage. If the problem is solved, change another identical PCIe card to check whether the problem can be solved again.

5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B136F1008: Bus uncorrectable error asserted**

    Bus Uncorrectable error

    Severity: Error
    Serviceable: Yes
    Automatically notify Support: No

    User Action:

    Complete the following steps until the problem is solved:

    1. If the server and/or any attached cables were recently installed, moved, serviced or upgraded, check whether the processor, the adapter and any attached cables is properly seated and check visually whether there is any foreign material in the processor socket and any PCIe slot. If yes, reseat the processor, the adapter and any attached cables or clean the foreign material from processor socket and that PCIe slot.

    2. Reload the device driver.

    3. Check the Lenovo support site for an applicable device driver, firmware update, or other information that applies to this error. Load the new device driver and install any required firmware updates.

    4. Swap other PCIe devices in the slot, if the problem recurs on the same PCIe slot, inspect the PCIe slot for any damage. If the problem is solved, change another identical PCIe card to check whether the problem can be solved again.

    5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B136F2005: PCI SERR asserted**

    PCI SERR

    Severity: Error
    Serviceable: Yes
    Automatically notify Support: No

User Action:

Complete the following steps until the problem is solved:

1. If the server and/or any attached cables were recently installed, moved, serviced or upgraded, check whether the processor, the adapter and any attached cables is properly seated and check visually whether there is any foreign material in the processor socket and any PCIe slot. If yes, reseat the processor, the adapter and any attached cables or clean the foreign material from processor socket and that PCIe slot.

2. Reload the device driver.

3. Check the Lenovo support site for an applicable device driver, firmware update, or other information that applies to this error. Load the new device driver and install any required firmware updates.

4. Swap other PCIe devices in the slot, if the problem recurs on the same PCIe slot, inspect the PCIe slot for any damage. If the problem is solved, change another identical PCIe card to check whether the problem can be solved again.

5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B136F200A: Bus fatal error asserted**

  Bus Fatal Error

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:

  1. If the server and/or any attached cables were recently installed, moved, serviced or upgraded, check whether the processor, the adapter and any attached cables is properly seated and check visually whether there is any foreign material in the processor socket and any PCIe slot. If yes, reseat the processor, the adapter and any attached cables or clean the foreign material from processor socket and that PCIe slot.

  2. Reload the device driver.

  3. Check the Lenovo support site for an applicable device driver, firmware update, or other information that applies to this error. Load the new device driver and install any required firmware updates.

  4. Swap other PCIe devices in the slot, if the problem recurs on the same PCIe slot, inspect the PCIe slot for any damage. If the problem is solved, change another identical PCIe card to check whether the problem can be solved again.

  5. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B13EF0403: Software NMI deasserted**

  Software NMI

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **B13EF0404: PCI PERR deasserted**

  PCI PERR

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **B13EF0405: PCI SERR deasserted**

  PCI SERR

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B13EF0407: Bus correctable error deasserted**

  Bus Correctable error

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B13EF0408: Bus uncorrectable error deasserted**

  Bus Uncorrectable error

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B13EF040A: Bus fatal error deasserted**

  Bus Fatal Error

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B13EF040B: Bus degraded deasserted**

  Bus Degraded (bus operating in a degraded performance)

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

No action

- **B1D6F0200: System boot initiated by power up asserted**

  Initiated by power up

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B1D6F0201: System boot initiated by hard reset asserted**

  Initiated by hard reset

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B1D6F0202: System boot initiated by warm reset asserted**

  Initiated by warm reset

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B1D6F0205: System boot OS/run-time software initiated hard reset asserted**

  OS/run-time software initiated hard reset

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B1D6F0206: System boot OS/run-time software initiated warm reset asserted**

  OS/run-time software initiated warm reset

    Severity: Information
    Serviceable: No
    Automatically notify Support: No

  User Action:

  No action

- **B1F6F0201: OS boot completed asserted**

  C: boot completed

Severity: Information
Serviceable: No
Automatically notify Support: No

User Action:

No action

- **B286F0803: Management controller unavailable asserted**

  Management controller unavailable

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Do an AC to the machine.
  2. If the problem persists, check whether the BIOS firmware is the latest. If no, update it to the latest version.
  3. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B28EF0403: Management controller unavailable deasserted**

  Management controller unavailable

  Severity: Information
  Serviceable: No
  Automatically notify Support: No

  User Action:

  No action

- **B296F1001: Battery failed asserted**

  battery failed

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No

  User Action:

  Complete the following steps until the problem is solved:
  1. Check if jumper RTC CMOS CLEAR is turned OFF.
  2. Check if CMOS battery is removed.
  3. If the problem persists, replace the old battery with a new one.
  4. If the problem persists, collect service data log from the BMC Web interface and contact Lenovo Support.

- **B29EF0401: Battery failed deasserted**

  battery failed

  Severity: Information
  Serviceable: No

Automatically notify Support: No

User Action:

No action

Appendix A. Getting help and technical assistance

If you need help, service, or technical assistance or just want more information about Lenovo products, you will find a wide variety of sources available from Lenovo to assist you.

On the World Wide Web, up-to-date information about Lenovo systems, optional devices, services, and support are available at:

http://datacentersupport.lenovo.com

Note: IBM is Lenovo's preferred service provider for ThinkSystem

Contacting Support

You can contact Support to obtain help for your issue.

You can receive hardware service through a Lenovo Authorized Service Provider. To locate a service provider authorized by Lenovo to provide warranty service, go to https://datacentersupport.lenovo.com/serviceprovider and use filter searching for different countries. For Lenovo support telephone numbers, see https://datacentersupport.lenovo.com/supportphonelist for your region support details.