

# Blink Codes and Beep Codes for Intel® NUC

The power LED on the Intel® NUC blinks in a pattern if an error occurs during POST. Intel NUCs that include a front panel audio jack produce a beep pattern that you can hear through headphones, or speakers plugged into the jack.

## Patterns and solutions

Sequence/pattern	Meaning	Troubleshooting steps
<b>3 blinks (3 beeps)</b> On-off (1.0 second each) three times, then 2.5-second pause (off). The pattern repeats until the computer is powered off.	Memory error	<p>Make sure you are using the <a href="#">correct voltage memory</a> for your Intel® NUC.</p> <p>Other tips:</p> <ul style="list-style-type: none"><li>• Remove and reseat the memory.</li><li>• Make sure the contacts on the memory and the socket are clean.</li><li>• Check for a faulty memory module by trying the memory in a known good system.</li></ul> <p>If the Intel NUC has two memory slots:</p> <ul style="list-style-type: none"><li>• Try using just one memory module at a time, swapping it between the upper and lower memory slots.</li><li>• Try using memory modules from the same manufacturer with the same part number and speed.</li></ul> <p>It's rare that this blink pattern would appear on an Intel NUC that has the memory modules soldered down on the board. If it does, it likely means the soldered down memory has failed. In this case, contact Intel Customer support using the link below.</p>
<b>Continual blinks</b> Off when the update starts, then on for 0.5 seconds, then off for 0.5 seconds. The pattern repeats until the BIOS update is complete.	BIOS update in progress	This pattern is normal behavior. No action is necessary.
<b>2 red blinks</b>  Repeating pattern: on 2.0 seconds, then off 2.0 seconds.	Computer is in Sleep mode (S3 state). This is normal operation.	<p>This blink pattern can be turned off in BIOS:</p> <ol style="list-style-type: none"><li>1. Press <b>F2</b> during boot to enter BIOS Setup.</li><li>2. Go to <b>Advanced &gt; Power</b>.</li><li>3. In the Secondary Power Settings pane, set <b>S3 State Indicator</b> (or S3 Indicator Brightness) to <b>OFF</b>.</li><li>4. Press <b>F10</b> to save and exit BIOS Setup.</li></ol>
<b>1 blink every 5 seconds</b>	Power-on circuit may have failed	Contact <a href="#">Intel Customer Support</a> for assistance.
<b>16 on/off blinks (8 beeps)</b> 0.25 seconds on, 0.25 seconds off, 0.25 seconds on, 0.25 seconds off, for a total of 16 blinks. Then the computer shuts down.	CPU thermal trip warning	Check that chassis ventilation holes are not blocked and unit has sufficient airflow.

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