

# PRODUCT CHANGE NOTIFICATION ( PCN )

Release Date: 01/14/2025 00:00:00

Product Category: **SMARC**

Models Affected: **LEC-EL**

Purpose of Notification: BIOS Update

In accordance with the Lifecycle Solutions<sup>SM</sup> program, ADLINK Technology announces a change for the LEC-EL series of products. This document describes changes to BIOS used in these products.

## Description of Change:

| Type             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Summary</b>   | This product change notification describes a BIOS update to address:<br><ol style="list-style-type: none"><li>1. Fix the EHL27(Intel Doc 634568) "USB 2.0 Device Interrupt IN Endpoint Split Transaction Error".</li><li>2. Fix the GPY211 function abnormal when CPU temperature exceeds 40 degrees.</li><li>3. Update the newer code base to support TCC feature.</li><li>4. Save the MOH for GPY211 MAC update.</li><li>5. Update the CSME package to 15.40.34.2981v3 for HDMI audio lost in Ubuntu.</li><li>6. Fixed the EHL 32 "EPT-based Address Translation May Not Operate Correctly After Posted-interrupt Processing".</li><li>7. Support the UART ACPI sub device on PSE UART.</li></ol> |
| <b>Causes</b>    | BIOS changes:<br><ol style="list-style-type: none"><li>1. Modify the Intel USB reference code.</li><li>2. Set the GP_H01 to N1 (PSE_GBE1_RGM1_RST_N).</li><li>3. Update the code base to 5.19_1AWHS_RC1.9.4_024.</li><li>4. Sync up the EE EEPROM "MAC ID" value, then updating to GPY211 during POST.</li><li>5. Update the CSME firmware version to 15.40.34.2981v3.</li><li>6. Update the MICROCODE to M0190661_00000017.pdb.</li><li>7. Add the SER2/SER3 under PSE UART1/UART4 and control options on BIOS setup menu.</li></ol>                                                                                                                                                               |
| <b>Solutions</b> | Update the BIOS version from 10410 to 11210 to solve the identified issues.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Revision Information

| Old Revision  | New Revision  | Model No                    |
|---------------|---------------|-----------------------------|
| 91-77A07-423E | 91-77A07-423E | I-Pi LEC-EL-6425E-4G-64G/EU |

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|               |               |                                |
|---------------|---------------|--------------------------------|
| 91-77A07-413E | 91-77A07-413E | I-Pi LEC-EL-6425E-4G-64G/US    |
| 91-72513-A010 | 91-72513-A020 | LEC-EL-6200FE-2G-32G-CT        |
| 91-72513-3010 | 91-72513-3020 | LEC-EL-6200FE-4G-64G-ER        |
| 91-72513-1110 | 91-72513-1120 | LEC-EL-6211-8G-128G-TPM-ER     |
| 91-72513-8010 | 91-72513-8020 | LEC-EL-6211E-2G-32G-CT         |
| 91-72513-P010 | 91-72513-P020 | LEC-EL-6425RE-8G-64G-CT        |
| 91-72513-K010 | 91-72513-K020 | LEC-EL-6425RE-8G-64G-ER        |
| 91-72513-7010 | 91-72513-7020 | LEC-EL-6413E-4G-32G-ER         |
| 91-72513-C010 | 91-72513-C020 | LEC-EL-6425E-4G-64G-CT         |
| 91-72513-D010 | 91-72513-D020 | LEC-EL-6425E-8G-64G-CT         |
| 91-72513-5010 | 91-72513-5020 | LEC-EL-6425E-8G-64G-ER         |
| 91-72513-N010 | 91-72513-N020 | LEC-EL-6425RE-4G-64G-CT        |
| 91-72513-J010 | 91-72513-J020 | LEC-EL-6425RE-4G-64G-ER        |
| 91-72513-0010 | 91-72513-0020 | LEC-EL-6211E-2G-32G-ER         |
| 91-72513-9010 | 91-72513-9020 | LEC-EL-6211E-4G-32G-CT         |
| 91-72513-1010 | 91-72513-1020 | LEC-EL-6211E-4G-32G-ER         |
| 91-72513-9110 | 91-72513-9120 | LEC-EL-6211E-4G-32G-eDP-TPM-CT |
| 91-72513-E010 | 91-72513-E020 | LEC-EL-6413E-2G-32G-CT         |
| 91-72513-F010 | 91-72513-F020 | LEC-EL-6413E-4G-32G-CT         |

**Implementation Date:**

Running Change Immediately

**Sample Availability:**

Please contact your ADLINK sales representative.

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An important part of the Lifecycle Solutions program for ADLINK products is to provide customers with notice of any changes that might affect long-term product usage or availability. Except for circumstances requiring immediate changes, ADLINK normally provides a few months advance notice of changes that affect the form, fit, or function of the product. If you have any questions or concerns about this notice, please contact your ADLINK sales representative.

If you have technical questions about this product notification, please contact your ADLINK Field Applications Engineer directly. Otherwise, you can call ADLINK at 1-800-966-5200 or 408-360-0200. For online technical support, please visit our Ask an Expert page at <https://www.adlinktech.com/en/Askanexpert>.