



## BIOS Update Release Notes

### **PRODUCTS: NUC7CJYH, NUC7PJYH, NUC7CJYSAL (Standard BIOS)**

**BIOS Version 0051 - JYGLKCPX.86A.0051.2019.0614.1047**

#### **About This Release:**

- Date: June 14, 2019
- ROM Image Checksum:0x5D93
- EC Firmware: 2.27
- PMC Firmware: v06.07.00
- Framework Reference Code: Based on 2.0.5
- Integrated Graphics
- Option ROM: v13.0.1002  
UEFI Driver: v13.0.10178
- LAN  
Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23
- Supported Flash Devices:

WinBond	W25Q128FWSIQ	16MB(1.8V)
MACRONIX	MX25U12873FM2I	16MB(1.8V)
GigaDevice	GD25LB128D	16MB(1.8V)
- Microcode Updates included in .ROM File:  
M01706A1\_0000002E.PDB
- Additional Microcode Updates included only in .BIO File:  
M01706A1\_0000002E.PDB

#### **New Fixes/Features:**

- Updated CPU Microcode to M01706A1\_0000002E for security fix.
- Removed "SW Control" option from "Button LED" item in BIOS Setup.

**BIOS Version 0050 - JYGLKCPX.86A.0050.2019.0418.1441**

#### **About This Release:**

- Date: April 18, 2019
- TXE Firmware: 4.0.10.1288
- EC Firmware: 2.27
- PMC Firmware: v06.07.00
- Framework Reference Code: Based on 2.0.5
- Integrated Graphics
- Option ROM: v13.0.1002  
UEFI Driver: v13.0.10178
- LAN  
Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

#### **New Fixes/Features:**

- Updated BIOS to display ENERGY STAR logo on Mini PC SKUs.
- Changed enclosure type default to 0x23.

\*Other names and brands may be claimed as the property of others.

**BIOS Version 0049 - JYGLKCPX.86A.0049.2019.0401.1038**

**About This Release:**

- Date: April 1, 2019
- TXE Firmware: 4.0.10.1288
- EC Firmware: 2.27
- PMC Firmware: v06.07.00
- Framework Reference Code: Based on 2.0.5
- Integrated Graphics
- Option ROM: v13.0.1002  
UEFI Driver: v13.0.1018
- LAN  
Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Updated BIOS code for security fixes.
- Fixed issue where Secure Boot data cannot be cleared.
- Updated UEFI driver to version 13.0.1018.
- Updated CPU microcode to M01706A1\_0000002C.
- Updated PMC firmware to version 06.07.00.
- Updated TXE firmware to version 4.0.10.1288.
- Changed RING LED to RGB LED in BIOS Setup to match motherboard silkscreen and Technical Product Specification.

**Known Errata:**

Due to the CPU microcode update in BIOS version 0049, you can't downgrade to version 0047 or earlier.

**BIOS Version 0047 - JYGLKCPX.86A.0047.2018.1219.1246**

**About This Release:**

- Date: December 19, 2018
- TXE Firmware: 4.0.0.1249
- EC Firmware: 2.27
- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 2.0.3
- Integrated Graphics
- Option ROM: v13.0.1002  
UEFI Driver: v13.0.1017
- LAN  
Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Fixed issue where BIOS update via F7 fails if "SGX reserved memory size" is set to Auto.

**BIOS Version 0046 - JYGLKCPX.86A.0046.2018.1103.1316**

**About This Release:**

- Date: November 03, 2018
- TXE Firmware: 4.0.0.1249
- EC Firmware: 2.27

- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 2.0.3
- Integrated Graphics
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1017
- LAN
  - Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Updated EC to 2.27
- Fixed the issue where an RC6 infrared remote would stop working in Linux.
- Fixed the MCE error reported in Linux.

**BIOS Version 0045 - JYGLKCPX.86A.0045.2018.1001.1100**

**About This Release:**

- Date: October 01, 2018
- TXE Firmware: 4.0.0.1249
- EC Firmware: 2.26
- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 1.4.0
- Integrated Graphics
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1017
- LAN Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Fixed the issue where the system would hang if the startup sound was enabled.

**BIOS Version 0044 - JYGLKCPX.86A.0044.2018.0821.1915**

**About This Release:**

- Date: August 21, 2018
- TXE Firmware: 4.0.0.1249
- EC Firmware: 2.26
- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 1.4.0
- Integrated Graphics:
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1017
- LAN Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Updated TXE firmware to version 4.0.0.1249.
- Updated GOP to GOP\_13.0.1017\_20180817.

**BIOS Version 0043 - JYGLKCPX.86A.0043.2018.0814.1104**

**About This Release:**

- Date: August 14, 2018
- TXE Firmware: 4.0.0.1242
- EC Firmware: 2.26
- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 1.4.0
- Integrated Graphics:
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1016
- LAN Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00115)
- Updated help text for Setup item "Wake System from S5".
- Set Consumer Infrared default to disabled for Windows RS4 support.

<b>BIOS Version 0042 - JYGLKCPX.86A.0042.2018.0718.1300</b>
---

**About This Release:**

- Date: July 18, 2018
- TXE Firmware: 4.0.0.1242
- EC Firmware: 2.26
- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 1.4.0
- Integrated Graphics:
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1016
- LAN Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Fixed issue where TXE is not enabled when reinstalling security jumper.
- Removed Ready Mode related code/items in BIOS for Intel PSIRT fix.
- Due to a security enhancement, the BIOS cannot be downgraded to any version older than version 0042.

<b>BIOS Version 0041 - JYGLKCPX.86A.0041.2018.0626.1500</b>
---

**About This Release:**

- Date: June 26, 2018
- TXE Firmware: 4.0.0.1242
- EC Firmware: 2.26
- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 1.4.0
- Integrated Graphics:
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1016
- LAN Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

\*Other names and brands may be claimed as the property of others.

- Added BIOS option for GNA on the Onboard Devices page.
- Updated EC firmware to version 2.26.

<b>BIOS Version 0039 - JYGLKCPX.86A.0039.2018.0528.1436</b>
---

**About This Release:**

- Date: May 24, 2018
- TXE Firmware: 4.0.0.1242
- EC Firmware: 2.23
- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 1.4.0
- Integrated Graphics:
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1016
- LAN Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Added security enhancements.
- Fixed issue where Fault Tolerance failed when flashing BootBlock.
- Added setup item "Allow UEFI 3rd party driver loaded".

<b>BIOS Version 0037 - JYGLKCPX.86A.0037. 2018.0423.1539</b>
--

**About This Release:**

- Date: April 23, 2018
- TXE Firmware: 4.0.0.1242
- EC Firmware: 2.23
- PMC Firmware: v06.05.00
- Framework Reference Code: Based on 1.4.0
- Integrated Graphics
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1016
- LAN
  - Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Removed Legacy Boot Priority pane from BIOS Setup.
- Fixed issues with TPM Clear page.
- Fixed issue with Digital Microphone.
- Updated EC firmware to version 2.23.
- Fixed issue with SMBIOS Structure Types.
- Fixed issue with Unattended BIOS Configuration item.
- Updated PMC firmware to version 06.05.00.
- Updated TXE firmware to version 4.0.0.1242.
- Updated processor support.
- Fixed issue with HDD SMART and NVMe timeout.
- Fixed USB port issue.
- Updated GOP to version 13.0.1016.

<b>BIOS Version 0027 - JYGLKCPX.86A.0027.2018.0125.1347</b>
---

**About This Release:**

\*Other names and brands may be claimed as the property of others.

- Date: January 25, 2018
- TXE Firmware: 4.0.0.1235
- EC Firmware: 2.20
- PMC Firmware: v06.04.00
- Framework Reference Code: Based on 1.4.0
- Integrated Graphics:
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1011
- LAN:
  - Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Added Fortemedia audio driver support.
- Changed the default value of Intel® Smart Sound Technology from enabled to disabled.
- Fixed the issue that when the TPM message is cleared it causes the "Failsafe Watchdog" option to be enabled.
- Fixed the issue that when the CMOS is cleared it causes the recovery menu to be shown.
- Updated SMBIOS information.
- Updated processor support.
- Due to a security enhancement, it will not be possible to go to any BIOS earlier than BIOS 0027.

<b>BIOS Version 0024 - JYGLKCPX.86A.0024.2017.1229.1454</b>
---

**About This Release:**

- Date: December 29, 2017
- TXE Firmware: 4.0.0.1235
- EC Firmware: 2.20
- PMC Firmware: v06.04.00
- Integrated Graphics:
  - Option ROM: v13.0.1002
  - UEFI Driver: v13.0.1011
- LAN:
  - Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Initial production BIOS release.

---



---

**LEGAL INFORMATION**

---

**Information in this document is provided in connection with Intel Products and for the purpose of supporting Intel developed server/desktop boards and systems.**

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel Corporation may have patents or pending patent applications,

\*Other names and brands may be claimed as the property of others.

trademarks, copyrights, or other intellectual property rights that relate to the presented subject matter. The furnishing of documents and other materials and information does not provide any license, express or implied, by estoppel or otherwise, to any such patents, trademarks, copyrights, or other intellectual property rights. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel is a trademark of Intel Corporation in the US and other countries.  
Copyright (c) 2018 Intel Corporation.

\*Other names and brands may be claimed as the property of others.