PRODUCTS: NUC7CJYH, NUC7PJYH, NUC7CJYSAL (Standard BIOS)

BIOS Version 0052 - JYGLKCPX.86A.0052.2019.0904.1413

About This Release:
- Date: September 04, 2019
- ROM Image Checksum: 0xDC8A
- EC Firmware: 2.27
- PMC Firmware: v06.07.00
- Framework Reference Code: Based on 2.0.5
- Integrated Graphics:
     o   Option ROM: v13.0.1002
     o   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 & .BIO Files:
    ```
    M01706A1_0000002E.PDB
    ```

New Fixes/Features:
- Security enhancements.
- Improved BIOS code for issues related to Hybrid BIOS USB recovery.

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:

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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.

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.

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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
    - o Option ROM: v13.0.1002
    - o UEFI Driver: v13.0.1017
- LAN
    - o 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
    - o Option ROM: v13.0.1002
    - o 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:
    o Option ROM: v13.0.1002
    o 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:
    o Option ROM: v13.0.1002
    o 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.

BIOS Version 0042 - JYGLKCPX.86A.0042.2018.0718.1300

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:
    o Option ROM: v13.0.1002
    o UEFI Driver: v13.0.1016

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- 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.

BIOS Version 0041 - JYGLKCPX.86A.0041.2018.0626.1500

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:
    o Option ROM: v13.0.1002
    o UEFI Driver: v13.0.1016
- LAN Option ROM: PXE-2.1 BUILD (083) v2.66
- Visual Bios: 2.2.23

New Fixes/Features:
- Added BIOS option for GNA on the Onboard Devices page.
- Updated EC firmware to version 2.26.

BIOS Version 0039 - JYGLKCPX.86A.0039.2018.0528.1436

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:
    o Option ROM: v13.0.1002
    o 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".

BIOS Version 0037 - JYGLKCPX.86A.0037. 2018.0423.1539

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.

BIOS Version 0027 - JYGLKCPX.86A.0027.2018.0125.1347

About This Release:
- 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.

BIOS Version 0024 - JYGLKCPX.86A.0024.2017.1229.1454

About This Release:
- Date: December 29, 2017

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

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

New Fixes/Features:
- Initial production BIOS release.

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