

AAEON

EC I2C SMBus

Linux Driver Release Notes

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| Most Confidential | |
| Confidential | |
| Internal | |
| Public | V |

08/13, 2025
Version V1.9

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Brief Description

EC I2C/SMBus Linux driver for AAEON platform.

Change Log

| Version | Description | | | | | | |
|--------------------------|---|----------|-----------|---------|-------------|----------|----------|
| V1.6.0.2 (13/08/2025) | <p>Driver Package: aaeon_ec_i2c_smbus_V1.6.0.2.zip</p> <p>Verified Linux Distribution:</p> <ol style="list-style-type: none"> 1. Ubuntu 24.04.2, Kernel: 6.11.0-17-generic <p>Change Description:</p> <ol style="list-style-type: none"> 1. Fix some issues to support Ubuntu 24.04.2 | | | | | | |
| V1.6.0.1 (12/04/2023) | <p>Driver Package: aaeon_ec_i2c_smbus_V1.6.0.1.zip</p> <p>Supported Linux Distribution:</p> <ol style="list-style-type: none"> 2. Ubuntu 23.10.1, Kernel: 6.5.0-9-generic <p>Change Description:</p> <ol style="list-style-type: none"> 2. Add known issue 3. An update install.sh for Ubuntu 23.10.1 | | | | | | |
| V1.5.0.2 (07/25/2022) | <p>Driver Package: aaeon_ec_i2c_smbus_V1.5.0.2.zip</p> <p>Supported Linux Distribution:</p> <ol style="list-style-type: none"> 1. Ubuntu 20.04.3 (IOT), Kernel: 5.13.0 <p>Supported Project:</p> <table border="1"> <thead> <tr> <th>Project</th> <th>BIOS Ver.</th> <th>EC Ver.</th> </tr> </thead> <tbody> <tr> <td>NANOCOM-EHL</td> <td>NEHLAMOC</td> <td>V04Z6E03</td> </tr> </tbody> </table> <p>Change Description:</p> <ol style="list-style-type: none"> 1. Add known issue | Project | BIOS Ver. | EC Ver. | NANOCOM-EHL | NEHLAMOC | V04Z6E03 |
| Project | BIOS Ver. | EC Ver. | | | | | |
| NANOCOM-EHL | NEHLAMOC | V04Z6E03 | | | | | |

| V1.5.0.1 (05/19/2021) | <p>Driver Package: aaeon_ec_i2c_smbus_V1.5.0.1.zip</p> <p>Supported Linux Distribution:</p> <ol style="list-style-type: none"> 1. Ubuntu 21.04, Kernel: 5.11.0 <p>Supported Project:</p> <table border="1"> <thead> <tr> <th>Project</th> <th>BIOS Ver.</th> <th>EC Ver.</th> </tr> </thead> <tbody> <tr> <td>COM-TGUC6</td> <td>CTGUAM0A</td> <td>ECoM_018</td> </tr> </tbody> </table> <p>Change Description:</p> <ol style="list-style-type: none"> 1. Based on V1.4.0.1 2. Fix makefile build issue on Linux Kernel 5.x | Project | BIOS Ver. | EC Ver. | COM-TGUC6 | CTGUAM0A | ECoM_018 |
|--------------------------|---|----------|-----------|---------|-----------|----------|----------|
| Project | BIOS Ver. | EC Ver. | | | | | |
| COM-TGUC6 | CTGUAM0A | ECoM_018 | | | | | |

| V1.4.0.1 (06/17/2020) | <p>Driver Package: aaeon_ec_i2c_smbus_V1.4.0.1.zip</p> <p>Supported Linux Distribution:</p> <ol style="list-style-type: none"> 1. CentOS 7.0 kernel version: 3.10.0-123.el7.x86_64 <p>Supported Project:</p> <table border="1"> <thead> <tr> <th>Project</th> <th>BIOS Ver.</th> <th>EC Ver.</th> </tr> </thead> <tbody> <tr> <td>NANOCOM-APL</td> <td>NAPLAM16</td> <td>CAPLAE13</td> </tr> </tbody> </table> <p>Change Description:</p> <ol style="list-style-type: none"> 1. Use new driver naming rule 2. Add CentOS 7.0 support | Project | BIOS Ver. | EC Ver. | NANOCOM-APL | NAPLAM16 | CAPLAE13 |
|--------------------------|--|----------|-----------|---------|-------------|----------|----------|
| Project | BIOS Ver. | EC Ver. | | | | | |
| NANOCOM-APL | NAPLAM16 | CAPLAE13 | | | | | |

| V4.0.0.0 (02/11/2020) | <p>Driver Package: aaeon_ec_i2c_smbus_V4.0.0.0.zip</p> <p>Supported Linux Distribution:</p> <ol style="list-style-type: none"> 1. Scientific Linux 7.6 kernel version: 3.10.0-957.el7.x86_64 <p>Supported Project:</p> <table border="1"> <thead> <tr> <th>Project</th> <th>BIOS Ver.</th> <th>EC Ver.</th> </tr> </thead> <tbody> <tr> <td>COM-SKUC6</td> <td>CKBUAM20</td> <td>CSKUAE22</td> </tr> </tbody> </table> <p>Change Description:</p> <ol style="list-style-type: none"> 1. update install.sh for Scientific Linux 7.6 | Project | BIOS Ver. | EC Ver. | COM-SKUC6 | CKBUAM20 | CSKUAE22 |
|--------------------------|---|----------|-----------|---------|-----------|----------|----------|
| Project | BIOS Ver. | EC Ver. | | | | | |
| COM-SKUC6 | CKBUAM20 | CSKUAE22 | | | | | |

| <p>V3.0.0.0 (01/20/2020)</p> | <p>Driver Package: aaeon_ec_i2c_smbus_V3.0.0.0.zip</p> <p>Supported Linux Distribution:</p> <ol style="list-style-type: none"> 1. Ubuntu 18.04.2 kernel version: 4.18.0-15-generic 2. Debian 8.11 kernel version: 3.16.0-6-amd64 <p>Supported Project:</p> <table border="1" data-bbox="411 555 1359 757"> <thead> <tr> <th>Project</th> <th>BIOS Ver.</th> <th>EC Ver.</th> </tr> </thead> <tbody> <tr> <td>COM-SKUC6</td> <td>CKBUAM20</td> <td>CSKUAE22</td> </tr> <tr> <td>NANOCOM-KBU</td> <td>NCKUAM19</td> <td>CSKUAE23</td> </tr> </tbody> </table> <p>Change Description:</p> <ol style="list-style-type: none"> 1. update install.sh for Ubuntu 18.04.2 2. add Debian 8.11 support | Project | BIOS Ver. | EC Ver. | COM-SKUC6 | CKBUAM20 | CSKUAE22 | NANOCOM-KBU | NCKUAM19 | CSKUAE23 |
|----------------------------------|--|----------|-----------|---------|-------------|----------|----------|-------------|----------|----------|
| Project | BIOS Ver. | EC Ver. | | | | | | | | |
| COM-SKUC6 | CKBUAM20 | CSKUAE22 | | | | | | | | |
| NANOCOM-KBU | NCKUAM19 | CSKUAE23 | | | | | | | | |
| <p>V2.0.0.1 (09/16/2019)</p> | <p>Driver Package: aaeon_ec_i2c_smbus_V2.0.0.1.zip</p> <p>Supported Linux Distribution:</p> <ol style="list-style-type: none"> 1. Ubuntu 16.04.2 LTS 4.8.0-36-generic x86_64 <p>Supported Project:</p> <table border="1" data-bbox="411 1171 1359 1305"> <thead> <tr> <th>Project</th> <th>BIOS Ver.</th> <th>EC Ver.</th> </tr> </thead> <tbody> <tr> <td>NANOCOM-BT</td> <td>NCBTAM23</td> <td>NCBTAE20</td> </tr> </tbody> </table> <p>Change Description:</p> <ol style="list-style-type: none"> 1. fix read block failed issue | Project | BIOS Ver. | EC Ver. | NANOCOM-BT | NCBTAM23 | NCBTAE20 | | | |
| Project | BIOS Ver. | EC Ver. | | | | | | | | |
| NANOCOM-BT | NCBTAM23 | NCBTAE20 | | | | | | | | |
| <p>V2.0.0.0 (06/27/2019)</p> | <p>Driver Package: aaeon_ec_i2c_smbus_V2.0.0.0.zip</p> <p>Supported Linux Distribution:</p> <ol style="list-style-type: none"> 1. Debian 9.8 kernel version: 4.9.0-8-amd64 <p>Supported Project:</p> <table border="1" data-bbox="411 1731 1359 1865"> <thead> <tr> <th>Project</th> <th>BIOS Ver.</th> <th>EC Ver.</th> </tr> </thead> <tbody> <tr> <td>NANOCOM-APL</td> <td>NAPLAM16</td> <td>CAPLAE13</td> </tr> </tbody> </table> <p>Change Description:</p> <ol style="list-style-type: none"> 1. update install.sh for Debian 9.8 | Project | BIOS Ver. | EC Ver. | NANOCOM-APL | NAPLAM16 | CAPLAE13 | | | |
| Project | BIOS Ver. | EC Ver. | | | | | | | | |
| NANOCOM-APL | NAPLAM16 | CAPLAE13 | | | | | | | | |

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|--------------------------|--|
| | 2. add install_i2cdev.sh for install i2c bus driver |
| V1.0.0.0 (02/27/2019) | <p>Files: aaeon_ec_i2c_smbus_V1.0.0.0.zip</p> <p>New Features: 1. Support I2C/SMBUS function on EC. 2. Support auto install function.</p> <p>System Requirements: 1. Supported Linux distribution: Ubuntu 16.04.4 64bit. 2. Supported kernel versions are 4.13.0 .</p> <p>Support Platforms: 1. COM-BT (Model name: EC_IT8528 Frimewave name: CMBTAE19).</p> <p>Bug Fixed: Known Issues:</p> |

Instructions

Please refer to "AAEON EC I2C SMBus Driver User Guide.pdf".