

AAEON

PTN3460 Backlight

Linux Driver Release Notes

Most Confidential	
Confidential	
Internal	
Public	V

12/02, 2024
Version V1.8

Brief Description	3
Change Log	3
Instructions	8

Brief Description

AAEON PTN3460 Backlight Linux driver for AAEON platform.

Change Log

Version	Description
V1.6.0.2 (12/02/2024)	Files: aaeon_ptn3460_bl_V1.6.0.2.zip Release version V1.6.0.2 for Linux Kernel 6.x. System Requirements: <ul style="list-style-type: none"> ● Supported Linux distribution: <ul style="list-style-type: none"> ○ Ubuntu 24.04.1 64bit, kernel: 6.8.0-41-generic Support Platforms: <ul style="list-style-type: none"> ● COM-MTHC6 (BIOS Version:CMTHAM06), or other compatible platforms Changes: <ul style="list-style-type: none"> ● Support Ubuntu 24.04.1, or above Known Issues: <ul style="list-style-type: none"> ● N/A
V1.6.0.1 (25/04/2024)	Files: aaeon_ptn3460_bl_V1.6.0.1.zip Release version V1.6.0.1 for Linux Kernel 6.x. System Requirements: <ul style="list-style-type: none"> ● Supported Linux distribution: <ul style="list-style-type: none"> ○ Ubuntu 22.04.4 64bit, kernel: 6.5.0-18-generic Support Platforms: <ul style="list-style-type: none"> ● GENE-MTH6 (BIOS Version:GML6AM05) Changes: <ul style="list-style-type: none"> ● Support Ubuntu 22.04.4 Known Issues:
V1.5.0.5 (8/13/2021)	Files: aaeon_ptn3460_bl_V1.5.0.5.zip Release version V1.5.0.5 for Linux Kernel 5.x. System Requirements: <ul style="list-style-type: none"> ● Supported Linux distribution: <ul style="list-style-type: none"> ○ Ubuntu 21.04, kernel: 5.11.0-17-generic Support Platforms:

	<ul style="list-style-type: none"> • PICO-BT01 (BIOS Version:ZBT1BM18) <p>Changes:</p> <ul style="list-style-type: none"> • remove to detect the manufacturer ID (0x04,0x2e) <p>Known Issues:</p>
V1.5.0.4 (6/3/2021)	<p>Files: aaeon_ptn3460_bl_V1.5.0.4.zip</p> <p>Release version V1.5.0.4 for Linux Kernel 5.x.</p> <p>System Requirements:</p> <ul style="list-style-type: none"> • Supported Linux distribution: <ul style="list-style-type: none"> ○ Ubuntu 21.04, kernel: 5.11.0-17-generic <p>Support Platforms:</p> <ul style="list-style-type: none"> • GENE-APL7 (BIOS Version:GAP7AM20) <p>Changes:</p> <ul style="list-style-type: none"> • Support instantiating with multiple devices <p>Known Issues:</p>
V1.5.0.3 (5/14/2021)	<p>Files: aaeon_ptn3460_bl_V1.5.0.3.zip</p> <p>Release version V1.5.0.3 for Linux Kernel 5.x.</p> <p>System Requirements:</p> <ul style="list-style-type: none"> • Supported Linux distribution: <ul style="list-style-type: none"> ○ Ubuntu 21.04, kernel: 5.11.0-16-generic <p>Support Platforms:</p> <ul style="list-style-type: none"> • EPIC-BT07 (BIOS Version:PBT7AM20) <p>Changes:</p> <ul style="list-style-type: none"> • Support driver auto-detect on I2C/SMBus. • Based on V1.4.0.2 and verified on Kernel 5.11 <p>Known Issues:</p>
V1.5.0.2 (12/01/2020)	<p>Files: aaeon_ptn3460_bl_V1.5.0.2.zip</p> <p>System Requirements:</p> <ul style="list-style-type: none"> • Supported Linux distribution: <ul style="list-style-type: none"> ○ Ubuntu 16.04.7 64bit, kernel: 4.15.0-123-generic <p>Support Platforms:</p> <ul style="list-style-type: none"> • EPIC-BT07 (BIOS Version: PBT7AM19). <p>Bug Fixed:</p> <ul style="list-style-type: none"> • Support PTN3460 at I2C slave 0xC0

	<p>Known Issues:</p>
<p>V1.5.0.1 (07/21/2020)</p>	<p>Files: aaeon_ptn3460_bl_V1.5.0.1.zip</p> <p>System Requirements:</p> <ul style="list-style-type: none"> • Supported Linux distribution: <ul style="list-style-type: none"> ○ Ubuntu 18.04.4 64bit, kernel: 5.3.0 <p>Support Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Ubuntu 18.04.4 2. Supported kernel versions are 5.3.0-28 <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. COM-SKUC6 (BIOS Version: CSKUAM25 / EC Version: CSKUAE19). <p>Bug Fixed:</p> <ol style="list-style-type: none"> 1. Fix auto install for ubuntu 18.04 <p>Known Issues:</p>
<p>V5.0.1.0 (12/04/2018)</p>	<p>Files: aaeon_ptn3460_bl_V5.0.1.0.zip</p> <p>New Features:</p> <ol style="list-style-type: none"> 1. Support Backlight function. 2. Support auto install function <p>System Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Centos 7.4 64bit. 2. Supported kernel versions are 3.10.0-693 . <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. COM-SKUC6 (BIOS Version: CSKUAM25 / EC Version: CSKUAE19). <p>Bug Fixed:</p> <ol style="list-style-type: none"> 1. Support Backlight on/off control function. <p>Known Issues:</p>
<p>V5.0.0.0 (09/14/2018)</p>	<p>Files: aaeon_ptn3460_bl_V5.0.0.0.zip</p> <p>New Features:</p> <ol style="list-style-type: none"> 1. Support Backlight function. 2. Support auto install function. <p>System Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Centos 7.4 64bit. 2. Supported kernel versions are 3.10.0-693 . <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. COM-SKUC6 (BIOS Version: CSKUAM25 / EC Version: CSKUAE19). <p>Bug Fixed:</p> <p>Known Issues:</p>

<p>V4.0.0.0 (01/31/2018)</p>	<p>Files: aaeon_ptn3460_bl_V4.0.0.0.zip</p> <p>New Features:</p> <ol style="list-style-type: none"> 1. Support Backlight function. 2. Support auto install function 3. Add LVDS and LVDS2 control function. <p>System Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Fedora 26 64bit. 2. Supported kernel versions are 4.14.14 . <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. GENE-BSW5(Model name: PTN3460) <p>Bug Fixed:</p> <p>Known Issues:</p>
<p>V2.1.0.0 (10/13/2017)</p>	<p>Files: aaeon_ptn3460_bl_V2.1.0.0.zip</p> <p>New Features:</p> <ol style="list-style-type: none"> 1. Support Backlight function. 2. Support auto install function <p>System Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Ubuntu 16.04.2 64bit. 2. Supported kernel versions are 4.8.0 . <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. GENE-BT05(Model name: PTN3460) <p>Bug Fixed:</p> <p>Known Issues:</p>
<p>V3.0.0.0 (02/21/2017)</p>	<p>Files: aaeon_ptn3460_bl_V3.0.0.0.zip</p> <p>New Features:</p> <ol style="list-style-type: none"> 1. Support Backlight function. <p>System Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Debian 7.11 64bit.. 2. Supported kernel versions are 3.2.84 . <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. PICO-BSW1(Model name: PTN3460) <p>Bug Fixed:</p> <ol style="list-style-type: none"> 1. Remove devm_regulator_get function <p>Known Issues:</p>

<p>V2.0.0.0 (02/17/2017)</p>	<p>Files: aaeon_ptn3460_bl_V2.0.0.0.zip</p> <p>New Features:</p> <ol style="list-style-type: none"> 1. Support Backlight function <p>System Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Ubuntu 16.04 64bit. 2. Supported kernel versions are 4.4.0 . <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. OMNI-3155(Model name: PTN3460) <p>Bug Fixed:</p> <p>Known Issues:</p>
<p>V1.0.0.1 (10/19/2016)</p>	<p>Files: aaeon_ptn3460_bl_V1.0.0.1.zip</p> <p>New Features:</p> <ol style="list-style-type: none"> 1. Support Backlight function <p>System Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Ubuntu 14.04.03 64bit. 2. Supported kernel versions are 3.19.0 . <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. AQ7-BT-A2.0(Model name: PTN3460) <p>Bug Fixed:</p> <ol style="list-style-type: none"> 1. Modified aaeon_ptn3460_backlight_user_guide <p>Known Issues:</p>
<p>V1.0.0.0 (08/26/2016)</p>	<p>Files: aaeon_ptn3460_bl_V1.0.0.0.zip</p> <p>New Features:</p> <ol style="list-style-type: none"> 1. Support Backlight function <p>System Requirements:</p> <ol style="list-style-type: none"> 1. Supported Linux distribution: Ubuntu 14.04. 2. Supported kernel versions are 3.x.x . <p>Support Platforms:</p> <ol style="list-style-type: none"> 1. AQ7-BT01(Model name: PTN3460) <p>Bug Fixed:</p> <p>Known Issues:</p>

Instructions

Please refer to “AAEON Backlight Driver User Guide.pdf”.