

# acidanthera VirtualSMC (Wird zum Boot benötigt)

**Post by “anonymous writer” of Sep 24th 2018, 7:08 pm**

Vorabversion:

v1.0.0 Initial release + FIX Lilu.kext V.2.7

leider enthält die aktuell veröffentlichte Version v1.0.0 einen Bug welcher bei manchen Konfigurationen einen Fehler beim Booten verursacht.

Im Source Code wurde bereits der Fehler behoben, aber es gibt noch keine neue Version dazu. Daher hier als Einstieg eine Vorabversion auf der Basis vom [Lilu.kext V.2.7](#).

Danke fürs Erstellen des Source Codes an @acidanthera.

---

**Post by “NoirOSX” of Oct 30th 2018, 4:24 pm**

## **v1.0.1**

- Added Penryn CPU support to SMCPProcessor
  - Improved keystore management
  - Initial implementation of SuperIO devices: support fans reading
- 

**Post by “NoirOSX” of Apr 20th 2019, 10:19 am**

## **v1.0.2**

- Fixed TC0C/TC1C selection in SMCPProcessor to match mac models
  - Added per-plugin debug switches (-scpuDBG, -sbatDBG, -ssiODBg, -alsdDBG)
-

## **Post by “NoirOSX” of May 4th 2019, 1:03 pm**

### **v1.0.3**

- Added multiple new ssio sensors
  - Improved 3rd generation SMC support (they have no REV and RBr keys)
- 

## **Post by “NoirOSX” of Jul 3rd 2019, 3:43 pm**

### **v1.0.5**

- Allow loading on 10.15 without `-lilubetaall`
- Fixed SMCBatteryManager compatibility with 10.15
- Changed RGEN 3 -> 2 for AppleIntelPCHPMC.kext compatibility

### **v1.0.4**

- Removed exposed REV, RBr, RPlt keys from I/O Registry
  - Minor EFI driver compatibility improvements
  - Synced RVUF, RVFB with REV from booter keys
  - Fixed prebuilt revisions for GEN 3 chip emulation
  - Dropped custom prebuilt revisions in favour of loader inject
- 

## **Post by “NoirOSX” of Aug 11th 2019, 2:44 pm**

### **v1.0.7**

- Unified release archive names
  - Added new ssio sensors
- 

## **Post by “NoirOSX” of Oct 31st 2019, 12:31 pm**

### **v1.0.9**

- Fixed multiple issues with charge level reports in SMCBatteryManager
- 

### **Post by “NoirOSX” of Jan 13th 2020, 5:11 pm**

#### **v1.1.0**

- Minor performance improvements
  - Added OpenCore builtin protocol support (VirtualSmc.efi can still be used in other bootloaders)
  - Added fan and voltage reporting in SMCSuperIO through I/O Registry (requires client updates) by [@joedmru](#)
- 

### **Post by “NoirOSX” of Feb 3rd 2020, 3:32 pm**

#### **v1.1.1**

- Fixed SMCSuperIO crashes with unsupported chips
  - SMCSuperIO detected chip name to ioreg
- 

### **Post by “NoirOSX” of Apr 6th 2020, 3:21 pm**

#### **v1.1.2**

- Improved performance with Lilu 1.4.3 APIs
- 

### **Post by “NoirOSX” of May 4th 2020, 3:50 pm**

#### **v1.1.3**

- Fixed compatibility with 10.15 debug kernel with traptrace enabled

---

## Post by “NoirOSX” of Jun 1st 2020, 4:33 pm

### v1.1.4

- Fixed incorrect revision reporting on T2 models (e.g. Macmini8,1)

---

## Post by “NoirOSX” of Aug 3rd 2020, 5:12 pm

### v1.1.5

- Improved CHLC key value reporting
- Fixed B0PS and B0St key size to resolve broken fully charged state
- Fixed sometimes stuck battery update thx to [@zhen-zen](#)
- Added workaround for kBRemainingCapacityCmd exceeding kBFullChargeCapacityCmd
- Added preliminary 11.0 support
- Fixed SMCPProcessor model detection warning
- Fixed legacy smc tool value calculation
- Fixed running smc read on 11.0 without IOKit framework
- Added a new plugin SMCDellSensors for Temp/FAN monitor/control
- Added basic SMCBatteryManager compatibility with 11.0
- Fixed crashes when trying to read CLKT key

---

## Post by “theCurseOfHackintosh” of Apr 9th 2021, 10:13 am

### v1.2.2

- Improve manual fan control in SMCDellSensors (SMM access is enabled even if audio is played)
- Fixed sensor DEBUG logging with `-liludbgall` argument
- Improved startup performance when probing SuperIO chips by splitting vendors
- Added SuperIO device activation when it is disabled on probe
- Added support for Nuvoton NCT6796D-E (0xD42A)
- Added support for ITE IT8987 (requires DEBUG firmware, not available for public)
- Added Intel NUC monitoring (requires manual configuration via `ec-device`, see `EmbeddedControllers.md`)

)

---

**Post by “theCurseOfHackintosh” of Jun 7th 2021, 6:03 pm**

**v1.2.4**

- Added support for NCT6683D series