

New Hardware Support in Linux

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- [Nintendo Wii U Gamepad Linux Driver Support Still Pursuing Mainline - Phoronix](#)[3]

It's been a half-year since talking about the Wii U gamepad driver that's been in development with mainline ambitions for supporting this wireless gamepad in conjunction with the Nintendo Wii U console. The driver has just been revised to address earlier code review comments, again renewing interest in the effort and possible mainlining in a future kernel version.

The Wii U game console is nearly one decade old for this IBM PowerPC powered device but still is active with some hobbyists for running Linux on the device and other retro gaming

purposes. This gamepad Linux driver effort continues to be for those wanting to load Linux on the console and depends upon the wireless gamepad being connected to the console via the DRH internal chip to the Wii U that in turn exposes it as a USB device. There has though been some work towards potentially allowing it to work in the absence of the console.

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[Linux 5.16 To Support The 2021 Apple Magic Keyboard - Phoronix](#) [4]

Separate from all the ongoing Apple Silicon/M1 bring-up work for the Linux kernel, the Linux 5.16 cycle is set to support this year's Apple Magic Keyboard.

Via the Apple-HID driver there has been Linux kernel support for earlier versions of the Magic Keyboard to deal with device quirks and differences around this keyboard that need to be specially handled by the software for making full use of the keyboard, such as for the function (Fn) keys.

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[Apple Silicon PCIe Driver Queued For Linux 5.16 - Phoronix](#) [5]

Queued this week into the Linux PCI subsystem's "next" branch is the Apple PCIe driver needed to enable PCI Express support for Apple SoCs such as the M1.

The "pcie-apple" driver is written by reverse-engineering expert Alyssa Rosenzweig and Marc Zyngier while also based on discoveries by Corellium and OpenBSD developers. At this stage the Apple PCIe controller driver is less than one thousand lines of new code for bringing up the PCI Express bus with Apple SoCs. The focus has been on the Apple M1 with last year's Apple devices.

[Linux Hardware](#)

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[3] https://www.phoronix.com/scan.php?page=news_item&px=Wii-U-Gamepad-Driver-v4

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