

Paket KERNEL_5_4

Version 4.0.0-testing-rpi-r60774

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1 Dokumentation des Pakets KERNEL_5_4

1.1 Kernel 5.4

Dieses Kapitel dokumentiert die verfügbaren Treiber des Linux-Kernels in der Version 5.4, bereitgestellt vom Paket kernel_5_4.

1.1.1 Netzwerkkartentreiber

Dieser Abschnitt listet alle von diesem Kernel unterstützten Netzwerkkartentreiber auf. Dabei wird zwischen LAN-Treibern für kabelgebundene Netzwerke und WLAN-Treibern für drahtlose Netzwerke unterschieden. Treiber für drahtlose Netzwerke benötigen zusätzlich zum base- und diesem Kernel-Paket das Paket “wlan”.

Tabelle 1.1: Verfügbare LAN-Adapter-Treiber in Linux 5.4

| Bus | NET_DRV_x | Kartenfamilie |
|---------|----------------|--|
| pcmcia | 3c574_cs | 3Com 3c574 series PCMCIA ethernet |
| pcmcia | 3c589_cs | 3Com 3c589 series PCMCIA ethernet |
| usb | asix | ASIX AX8817X based USB 2.0 Ethernet Devices |
| usb | atusb | ATUSB IEEE 802.15.4 |
| usb | ax88179_178a | ASIX AX88179/178A based USB 3.0/2.0 Gigabit Ethernet Devices |
| pcmcia | axnet_cs | Asix AX88190 PCMCIA ethernet |
| usb | catc | CATC EL1210A NetMate USB Ethernet |
| usb | cdc_eem | USB CDC EEM |
| usb | cdc_ether | USB CDC Ethernet devices |
| usb | cdc_mbim | USB CDC MBIM host |
| usb | cdc_ncm | USB CDC NCM host |
| usb | cdc_subset | Simple 'CDC Subset' USB networking links |
| usb | ch9200 | QinHeng CH9200 USB Network device |
| usb | cx82310_eth | Conexant CX82310-based ADSL router USB ethernet |
| usb | dm9601 | Davicom DM96xx USB 10/100 ethernet devices |
| virtual | dummy | Dummy Network Interface |
| pcmcia | fmvj18x_cs | fmvj18x and compatible PCMCIA ethernet |
| usb | gl620a | GL620-USB-A Host-to-Host Link cables |
| usb | hso | USB High Speed Option |
| usb | huawei_cdc_ncm | USB CDC NCM host driver with encapsulated protocol support |
| usb | int51x1 | Intellon usb powerline adapter |

(wird auf der nächsten Seite fortgesetzt)

Tabelle 1.1: Verfügbare LAN-Adapter-Treiber in Linux 5.4 (fortgesetzt)

| Bus | NET_DRV_x | Kartenfamilie |
|--------|-------------|---|
| usb | ipheth | Apple iPhone USB Ethernet |
| usb | kalmia | Samsung Kalmia USB network |
| usb | kaweth | KL5USB101 USB Ethernet |
| usb | lan78xx | LAN78XX USB 3.0 Gigabit Ethernet Devices |
| usb | lg-vl600 | LG-VL600 modem's ethernet link |
| usb | mcs7830 | USB to network adapter MCS7830) |
| usb | net1080 | NetChip 1080 based USB Host-to-Host Links |
| pcmcia | nmclan_cs | New Media PCMCIA ethernet |
| pcmcia | pcnet_cs | NE2000 compatible PCMCIA ethernet |
| usb | pegasus | Pegasus/Pegasus II USB Ethernet |
| usb | plusb | Prolific PL-2301/2302/25A1/27A1 USB Host to Host Link |
| usb | qmi_wwan | Qualcomm MSM Interface (QMI) WWAN |
| usb | r8152 | Realtek RTL8152/RTL8153 Based USB Ethernet Adapters |
| usb | rndis_host | USB Host side RNDIS |
| usb | rtl8150 | rtl8150 based usb-ethernet |
| pcmcia | smc91c92_cs | SMC 91c92 series PCMCIA ethernet |
| usb | smc75xx | SMSC75XX USB 2.0 Gigabit Ethernet Devices |
| usb | smc95xx | SMSC95XX USB 2.0 Ethernet Devices |
| usb | sr9700 | SR9700 one chip USB 1.1 USB to Ethernet device from http://www.corechip-sz.com/ |
| usb | sr9800 | SR9800 USB 2.0 USB2NET Dev : http://www.corechip-sz.com |
| pcmcia | xirc2ps_cs | Xircom PCMCIA ethernet |
| usb | zaurus | Sharp Zaurus PDA, and compatible products |

Tabelle 1.2: Verfügbare WLAN-Adapter-Treiber in Linux 5.4

| Bus | NET_DRV_x | Kartenfamilie |
|--------|--------------|---|
| usb | 8192cu | Realtek Wireless Lan |
| isa | airo | Cisco/Aironet 802.11 wireless ethernet cards |
| pcmcia | airo_cs | Cisco/Aironet 802.11 wireless ethernet cards |
| usb | ar5523 | Atheros AR5523 based USB dongles |
| usb | at76c50x-usb | Atmel at76x USB Wireless LAN |
| usb | ath6kl_usb | Driver support for Atheros AR600x USB devices |
| usb | ath9k_htc | Atheros driver 802.11n HTC based wireless devices |
| pcmcia | atmel_cs | Atmel at76c50x 802.11 wireless ethernet cards |
| pci | b43 | Broadcom B43 wireless |

(wird auf der nächsten Seite fortgesetzt)

Tabelle 1.2: Verfügbare WLAN-Adapter-Treiber in Linux 5.4 (fortgesetzt)

| Bus | NET_DRV_x | Kartenfamilie |
|------------|------------------|--|
| pci | b43legacy | Broadcom B43legacy wireless |
| usb | brcmfmac | Broadcom 802.11 wireless LAN fullmac |
| pci | brcmsmac | Broadcom 802.11n wireless LAN |
| usb | carl9170 | Atheros AR9170 802.11n USB wireless |
| pcmcia | hostap_cs | Intersil Prism2-based 802.11 wireless LAN cards (PC Card) |
| pcmcia | libertas_cs | Marvell 83xx compact flash WLAN cards |
| usb | libertas_tf_usb | 8388 USB WLAN Thinfirm |
| virtual | mac80211_hwsim | Software simulator of 802.11 radio(s) for mac80211 |
| usb | mt7601u | |
| usb | mwifiex_usb | Marvell WiFi-Ex USB Driver version1.0 |
| pcmcia | orinoco_cs | PCMCIA Lucent Orinoco, Prism II based and similar wireless cards |
| usb | orinoco_usb | Orinoco wireless LAN cards using EZUSB bridge |
| usb | p54usb | Prism54 USB wireless |
| pcmcia | ray_cs | Raylink/WebGear wireless LAN |
| usb | rndis_wlan | RNDIS based USB Wireless adapters |
| usb | rsi_usb | Common USB layer for RSI drivers |
| usb | rt2500usb | Ralink RT2500 USB Wireless LAN |
| usb | rt2800usb | Ralink RT2800 USB Wireless LAN |
| usb | rt73usb | Ralink RT73 USB Wireless LAN |
| usb | rtl8187 | RTL8187/RTL8187B USB wireless |
| usb | rtl8192cu | Realtek 8192C/8188C 802.11n USB wireless |
| usb | rtl8xxxu | RTL8XXXu USB mac80211 Wireless LAN |
| usb | sierra_net | USB-to-WWAN Driver for Sierra Wireless modems |
| pcmcia | spectrum_cs | Symbol Spectrum24 Trilogy cards with firmware downloader |
| usb | usb8xxx | 8388 USB WLAN |
| pcmcia | wl3501_cs | Planet wl3501 wireless |
| usb | zd1201 | ZyDAS ZD1201 based USB Wireless adapters |
| usb | zd1211rw | USB driver for devices with the ZD1211 chip |

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