

Package KERNEL_5_4
Version 4.0.0-testing-rpi-r60732

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1 Documentation For Package KERNEL_5_4

1.1 Kernel 5.4

This chapter documents the available drivers of the Linux kernel in version 5.4, as provided by the package kernel_5_4.

1.1.1 Network adapter drivers

This section lists all network card drivers supported by this kernel. We differentiate between LAN drivers for wired networks and WLAN drivers for wireless networks. Wireless network drivers also need the package “wlan” in addition to the base- and this kernel package.

Table 1.1: Available LAN adapter drivers in Linux 5.4

Bus	NET_DRV_x	Adapter family
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
usb	ipheth	Apple iPhone USB Ethernet

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Table 1.1: Available LAN adapter drivers in Linux 5.4 (continued)

Bus	NET_DRV_x	Adapter family
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

Table 1.2: Available WLAN adapter drivers in Linux 5.4

Bus	NET_DRV_x	Adapter family
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
pci	b43legacy	Broadcom B43legacy wireless
usb	brcmfmac	Broadcom 802.11 wireless LAN fullmac

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Table 1.2: Available WLAN adapter drivers in Linux 5.4 (continued)

Bus	NET_DRV_x	Adapter family
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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