

NAME

wlan_tkip - TKIP and Michael crypto support for 802.11 devices

SYNOPSIS

device wlan_tkip

DESCRIPTION

The **wlan_tkip** module handles the TKIP and Michael cryptographic requirements of the WPA and 802.11i protocols. It does encapsulation and decapsulation of TKIP-encoded 802.11 frames and optionally calculates the TKIP cipher and Michael MIC. The **wlan_tkip** module is an 802.11 cryptographic plugin module for use by the wlan(4) module. This module is automatically loaded if a TKIP key is configured; typically by a WPA supplicant program such as wpa_supplicant, or a WPA authenticator program such as **hostapd**. Should the underlying network device not be capable of doing the TKIP and/or Michael calculations in hardware, the **wlan_tkip** module will do the work.

SEE ALSO

wlan(4), wlan_ccmp(4), wlan_wep(4)

STANDARDS

More information can be found in the IEEE 802.11, WPA, and 802.11i Standards.

HISTORY

The **wlan_tkip** driver first appeared in FreeBSD 6.0.