

IEEE802.11a/b/g WLAN Driver



IEEE802.11a/b/g compliant wireless LAN Driver

Product Overview

The IEEE802.11a/b/g WLAN Driver is a wireless LAN driver that supports the IEEE802.11a/b/g specifications. It allows you to develop wireless devices with ease when you use it in combination with PrCONNECT/Pro.

Key Features

- ❑ **Marvell 88W8686 WLAN controller:**
Our WLAN Driver supports Marvell's 88W8686 chip set.
- ❑ **Performs high-throughput on PrCONNECT/Pro:**
Our driver assumes you are using the PrCONNECT/Pro TCP/IP stack, and is designed to provide the optimal WLAN throughput.
- ❑ **Supports both Infrastructure Mode and Ad Hoc Mode:**
The WLAN Driver supports wireless network devices to communicate not only indirectly through an access point, but also directly, one to the other.
- ❑ **Securities:**
The WLAN Driver supports WEP (Wired Equivalent Privacy), and WPA-PSK, WP2-PSK, as well.
- ❑ **Source code available:**
The IEEE802.11a/b/g WLAN Driver is provided in full source code. (A separate contract with Marvell is required)

Typical performance of the WiFi driver

Protocol	Transmission/Reception	Speed (Mb/s)
TCP	Reception	12.72
	Transmission	15.85
UDP	Reception	6.10
	Transmission	19.54

Operating environment

The WLAN Driver runs on the 88W8686 chip set, manufactured by Marvell Semiconductor.

Allied Product

- **PrCONNECT/Pro:** High speed TCP/IP protocol stack

Compatible Products

- **eBinder:** Integrated development environment
- **PrKERNELv4:** Compact realtime multitasking kernel
- **eT-Kernel:** T-Kernel-based realtime multitasking kernel

Licensing

Royalty-free source code license.

eSOL Co., Ltd.
Embedded Products Division

Harmony Tower, 1-32-2 Honcho
Nakano-ku, Tokyo 164-9721, Japan
Tel: +81 3-5302-1360 Fax: +81 3-5302-1361
ep-info@esol.co.jp