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Migration from W5200 to W5500

This page explains the migration materials for W5200 users.

Driver for W5200 Users

- Download : [w5500_cortexm3_firmware_for_legacy.zip](#)

• This driver is provided only for current W5200 users to help rapid migration to W5500. To get BSD version driver, please refer to the W5500 Driver page.

W5500 vs W5200 Chip Comparison

Device	W5500	W5200
Process	0.13um	0.18um
Package	48 LQFP (7*7 mm^2)	48 QFN (7*7 mm^2)
IO Voltage / Core Voltage	3.3V / 1.2V	3.3V / 1.8V
Number of sockets	8 ea	8 ea
	ADD1 ADD2 Control Data0 Data1...	ADD1 ADD0 OP+LEN1 LEN0 Data...
SPI Frame	8bit 8bit 8bit 8bit 8bit Control 1 byte (Block selection, Read/Write selection, SPI mode selection)	8bit 8bit 1bit +7bit 8bit 8bit OP Code 1 bit (Read/Write Selection)
Memory Access	No Data Length field TX Memory and RX Memory can be accessible as general data memory.	Data Length 15bit TX Memory can be accessible as general data memory.
MCU Bus Interface	SPI	SPI / Indirect bus mode
Regulator Related Circuit	LDO output pin needs the capacitor. No need to supply the chip power (1.2V).	LDO output voltage (1.8V) must be applied to the chip power (1.8V) at the outer side of the chip package.
PHY Power Down Setting	PHY's power down mode can be set by configuring PHY Register.	PHY's power down mode can be set by external pin.
WOL Function	WOL over UDP Support	WOL over Ethernet Support
PHY Mode Setting	PHY mode can be set by Firmware	
Status LED	4 LEDs (SPD / DUP / ACT / Link)	3 LEDs (SPD / DUP / Link)
PHY Auto MDIX Function	Not Support	Support
Operating Current @100Mbps Full Link	Typical 132mA	Typical 160mA

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