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Overview

W5100S IPRAW mode can handle IP layer's upper protocol in the TCP/IP Layer. W5100S IPRAW mode supports transport layer protocol such as [ICMP\(0x01\)](#), [IGMP\(0x02\)](#), [TCP \(0x06\)](#) and [UDP\(0x11\)](#) according to the protocol field of IP header, depending on the protocol number. The 'Ping' of ICMP is already implemented in W5100S as the Hardwired but when the user needs, the host can directly process the ICMP function include ping by opening the Socket n as an IPRAW mode.

Development Environment

- MCU: STM32F410RB
- Used program:
 - ColIDE v1.7.4
 - Terminal Hercules
 - WireShark v1.10.3

Application note & Source code

APPlication note

Version	Date	Download
1.0.0	2018-02-21	

APPlication Source Code

Version	Date	Download	Etc
1.0.0	2018-02-21		

Reference Video(Test Result)

- YouTube:

Datasheet

- [w5100s_datasheet_v1.0.0_-_english](#)
- [w5100s_datasheet_v1.0.0_-_korean](#)

Datasheet History

Version	Date	Description
1.0.0	2018-02-21	Initial Release

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