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# W7500(P)-S2E

W7500(P) which WIZ750xx S2E firmware is programmed on

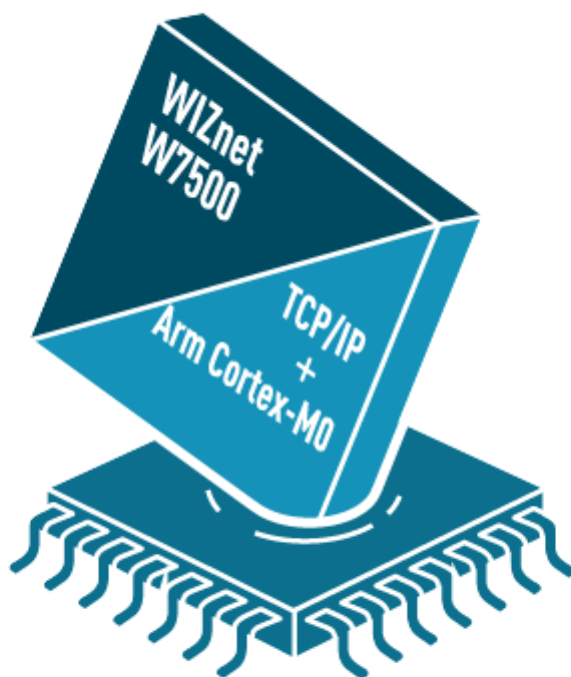
## Supported Languages

- [English](#) (current page)
- [Korean](#)

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## Overview

The **W7500(P)-S2E** is a chip product that has the firmware programmed in the WIZnet W7500 / W7500P MCU. This product includes the latest 'WIZ750SR serial to Ethernet module' firmware for widely used in various applications around the world



W7500  
W7500P **S2E Ready**

☞ Ready-made program-on-chip for customer's purpose

## WIZnet S2E Solution

- WIZnet 'Serial to Ethernet' product is a protocol converter that transmits data sent by serial equipment as TCP/IP data and converts the TCP/IP data received through the network back into serial data to the serial equipment.
- With this product, it is possible to **easily add an Ethernet networking function to a device supporting UART interface**, the devices can be controlled via an Ethernet network - Internet.

We also provide **Customization Services** such as change / add functions by customer request.

## W7500 / W7500P MCU

### ARM® Cortex™-M0 based microcontroller

- Up to 48MHz / 128KB Flash / 16KB RAM
- 3-UART, 2-SPI, 8-ADC, Timer/PWM, 53-GPIOs, SWD
- 64 TQFP Package (7x7mm)

### Hardwired TCP/IP core integrated

- Hardwired TCP/IP stack + IEEE 802.3 Ethernet MAC
- 8-channel hardware sockets with 32KB buffers(SRAM)
- Supports the TCP, UDP, IPv4, ICMP, ARP, IGMP and PPPoE



< W7500 >

MII supported for PHY interface



< W7500P >

10/100 Ethernet PHY integrated

## Features

The following key features are included with the W7500(P)-S2E product.

- **The firmware of the WIZ750SR Series, which is a verified serial to Ethernet module in the field**
  - Easy to add Ethernet networking function through UART interface of any device / MCU
  - Support **TTL**, **RS-232C** and **RS-422/485** serial communication
  - Configurable via Ethernet / Serial interface

- Unique **MAC Address** (WIZnet OUI)
- **WIZnet S2E configuration tool**
  - Product search, configuration, and firmware update via Ethernet network
- **WIZVSP program**
  - WIZnet **V**irtual **S**erial **P**ort program for Windows OS
- **Hardware Design Guide & References**

## Resources

- The following product resources are from WIZ750SR which provides the same function as W7500(P)-S2E chip firmware.

| Documents                                 | Datasheet  |
|---|--|
| <a href="#">Product Overview</a>          | <a href="#">Datasheet</a>                          |
| <a href="#">Getting Started Guide</a>     |  |
| <a href="#">User's Manual</a>             | <b>Developer's Guide</b>                           |
| <a href="#">Configuration Tool Manual</a> | <a href="#">Building a Development Environment</a> |
| <a href="#">CLI Config Tool Tutorial</a>  | <a href="#">Device Recovery Guide</a>              |
| <a href="#">Device Command Manual</a>     |  |
| <a href="#">Education Data</a>            | <b>Download</b>                                    |
| <a href="#">Troubleshooting Guide</a>     | <a href="#">Software Download</a>                  |
| <a href="#">Update History</a>            | <a href="#">Technical References</a>               |

## Customization Services

### Grow with WIZnet, Attract New Clients

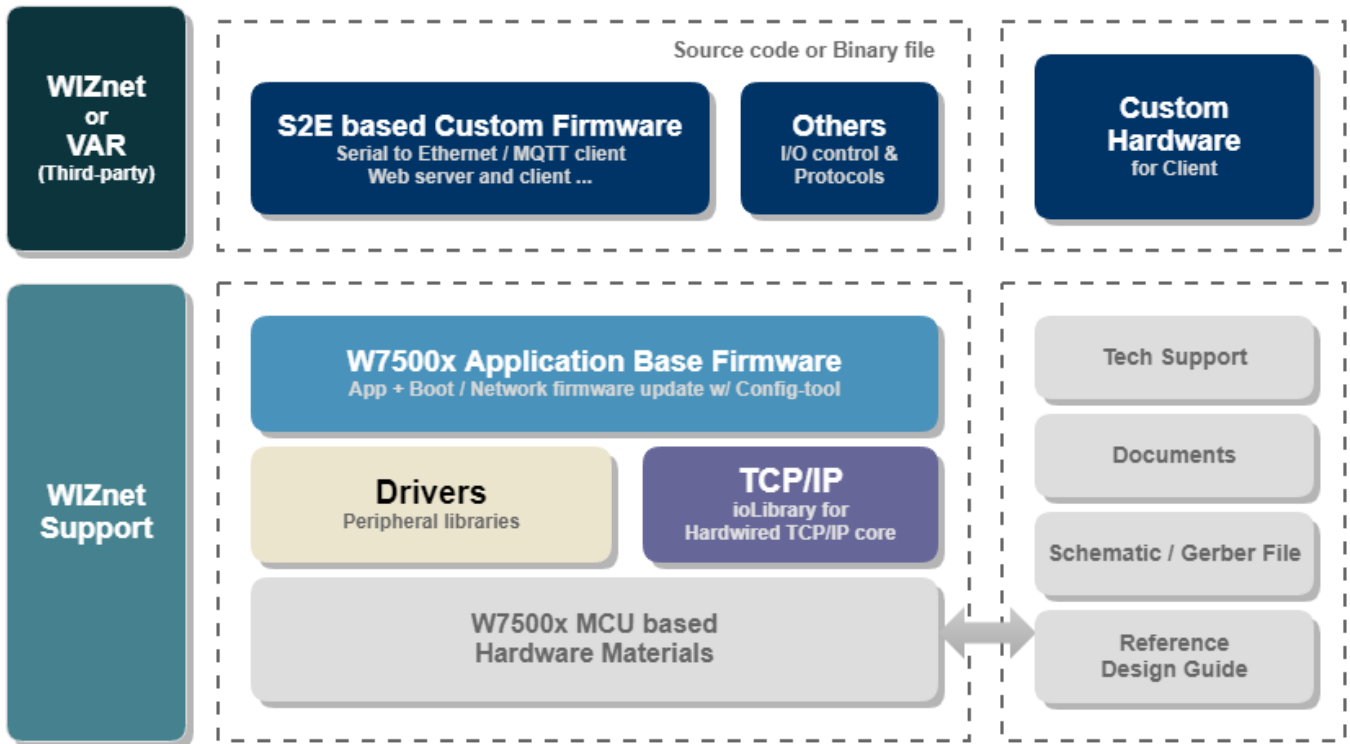
WIZnet offers **Customization services** for your specific needs.



We can provide customization services based on W7500(P)-S2E chip products: Depending on the customer application, it is possible to change the initial settings of the product, change the MAC address, add various protocols, and add functions. The developed firmware is programmed into the W7500 / W7500P MCU and delivered to the requesting customer.

We also provide technical support including various hardware guide and references for customer's **quick product design-win**.

## What We Offer



**Addable features**

**Changeable options**

**Network Protocols**

- HTTP Server / Client
- MQTT Client
- SNMPv1
- NTP
- FTP Server / Client
- TFTP

- Factory settings
- MAC address (Customer's OUI|NIC)

**Custom Functions**

- Protocol Converter
- Ethernet I/O
  - I/O Control
  - I/O Monitoring
  - Event trigger

\* Application protocols and extensions available through customization services are constantly updated.

**Contact Us**

**We offer a wide range of customizable products and technical support**

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2018/06/21 13:08 · [Eric Jung](#)

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