

## WIZnet WIZ550SR Ethernet Module User Manual

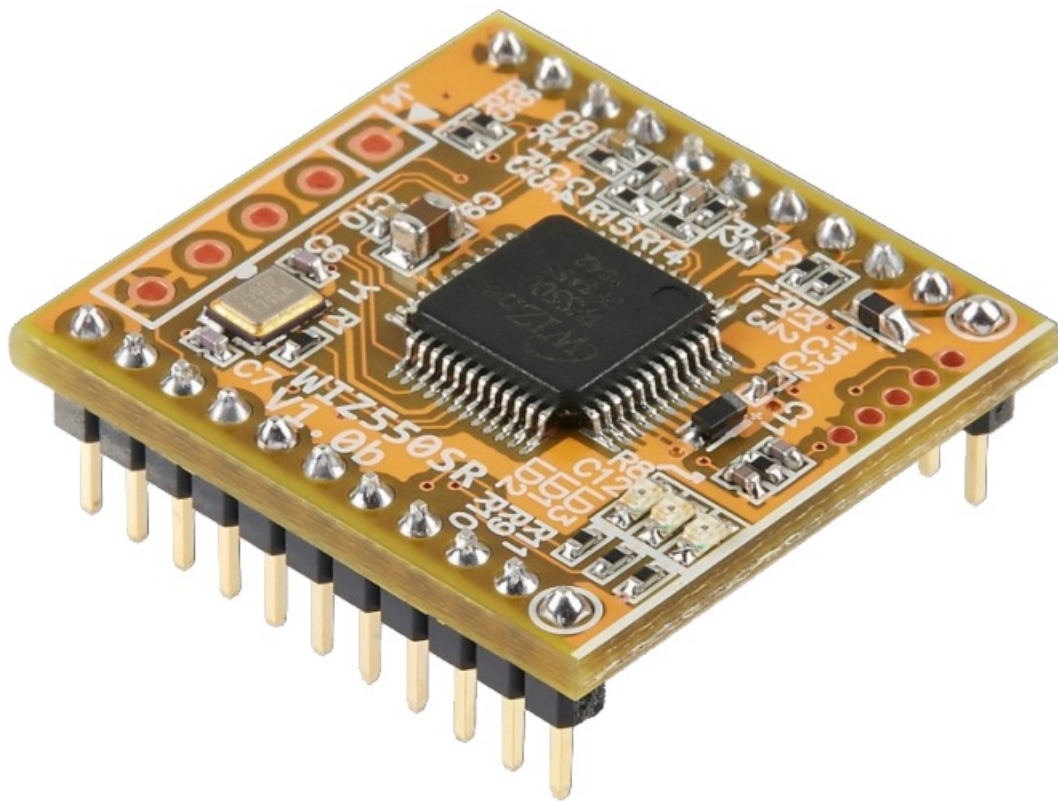
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**WIZnet WIZ550SR Ethernet Module**



### Quick Overview

Serial to Ethernet module with W5500 and STM32F103RCT6 without transformer and RJ45.

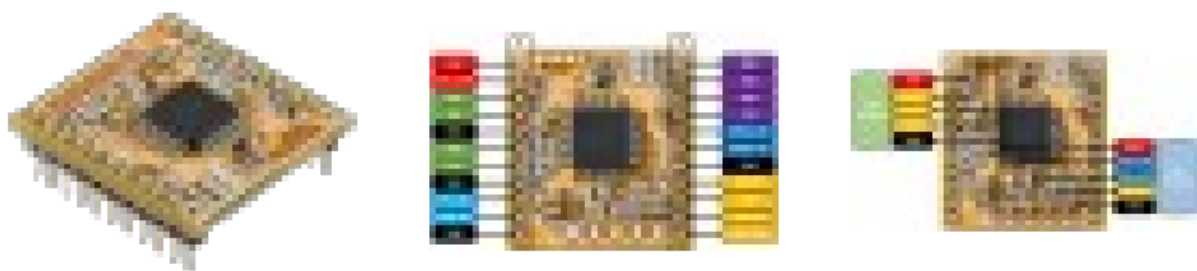
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### Details

2.00mm pin pitch Serial to Ethernet plugin module

### Product Description

The WIZ550SR is a Serial to Ethernet module, It contains the TCP/IP chip W5500 from WIZnet and a Cortex-M3 STM32F103RCT6 from STmicro. WIZ550SR does not contain RJ45 because of the small PCB size but is equipped with 2mm pitch pin headers. It is the protocol converter that transmits the data sent by serial equipment as TCP/IP data, and converts back the TCP/IP data received through the network into serial data. It complies with industrial temperature standard and supports the serial interfaces of UART.

## Features

- Very small size Serial to Ethernet Module based on the W5500
- microcontroller from STmicro, Cortex-M3 based STM32F103RCT6
- Does not include a transformer or RJ45
- 2.00mm Pin pitch header, 1×11 pins
- MDI support (TXN, TXP, RXN, RXP)
- UART interface (RXD, TXD, RTS, CTS, DSR and DTR)
- separate Debug UART
- configuration with AT command set or configuration program possible
- 10/100Mbps Ethernet & up to 230kbps serial speed
- Hardwired TCP/IP protocols: TCP, UDP, ICMP, IPv4, ARP, IGMP, PPPoE
- 8 Independent hardware socket
- Internal 32 KBytes memory for TCP/IP packet processing

## Related Links

- W5500 Data sheet
- W5500 Application notes
- WIZ550SR product page on wiznet.io
- WIZ550SR data sheet on wizwiki.net
- More references for wiz550sr in the WIZnetMuseum
- Downloaded from [Arrow.com](https://www.arrow.com).

## Additional Information

- **Dimension** 22 x 24 x 13 mm
- **Ethernet I/F MDI**
- **Operating Temperature** -40° to +85° Celsius
- **Operating Voltage** 3.3 V
- **Functions** 3-in-1, TCP/IP+MAC+PHY
- **Auto Negotiation** Yes
- **Package** pin module
- **pin count** 2 x 11
- **auto MDIX** No
- **Wake on Lan** Yes
- **Power Down Mode** Yes typ. **Power Consumption** N/A
- **MCU core** STM32F103RCT6
- **MCU I/F** UART
- **PHY chip** No
- **Related Chip/Module** W5500
- **Connector Type** header pins
- **Serial I/F** TTL
- **serial connector count** 2

- **Ethernet connector** –
- **pin pitch** 2.00 mm
- **voltage regulator (LDO)** No
- **MAC address inside** No
- **PoE possible** No
- **Ethernet Speed** 10/100
- **UART (max speed)** 230k
- **Manufacturer** No

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	<p><a href="#">WIZnet WIZ550SR Ethernet Module</a> [pdf] User Manual</p> <p>WIZ550SR Ethernet Module, WIZ550SR, Ethernet Module, Module</p>
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References

[Manuals+](#).