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# ioModule

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## Overview

WIZnet Network IO module includes an iEthernet chip & MAG-JACK (RJ45 with X'FMR). As no effort is required to interface iEthernet chip and Transformer, Network module is the ideal option for users who want to develop their Internet enabling system rapidly.

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## Product Family

- [WIZ850io](#): W5500 w/ MagJack, Compact size(Hardware compatible with WIZ820io)
- [WIZ550io](#): W5500 w/ MagJack, Unique MAC Address, Auto-configurable
- [WIZ820io](#): W5200 w/ MagJack, Compact Size
- [WIZ810MJ](#): W5100 w/ MagJack, 2mm pitch, No PCB Through-hole
- [WIZ811MJ](#): W5100 w/ MagJack, 2.54mm pitch, Two PCB Through-hole
- [WIZ812MJ](#): W5100 w/ MagJack, 2.54mm pitch, Four PCB Through-hole
- [WIZ830MJ](#): W5300 w/ MagJack High-throughput
- [NM7010B+](#): W3150A+ w/ External PHY and MagJack

## WIZ81xMJ Comparison Table

Category	WIZ810MJ	WIZ811MJ	WIZ812MJ
Dimension (W x H x D mm)	52 x 25 x 21	55.5 x 25 x 23.5	55.5 x 25 x 23.5
Connector Type	2mm pitch 14 x 2 header	2.54mm pitch 10 x 2 header	2.54mm pitch 10 x 2 header
PCB Through-hole	N/A	Two PCB Through-hole (ø3.0mm)	Four PCB Through-hole (ø3.0mm)
SPI Signal Pin	Shared with BUS signals	Separated from BUS (SPI_EN controlled by /SCS signal)	Separated from BUS (SPI_EN controlled by /SCS signal)
LINK LED	When the link is established, LED is on & flashes at the TX or RX		When the link is established, LED is on, but not flashed at the TX or RX
Input Voltage	3.3V internal operation and 5V tolerant I/Os		
Operation Temperature	-40 ~85°C		
Power Consumption	Max 185mA (3.3V) at the 10/100 base T		

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Etc.

## Sidebar

- [ioModule sidebar](#)
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