

# TAIYO YUDEN

Requests For Quotes? Samples? Registrations?  
**RFQ@t-yuden.com**

Please find below new product introduction details for new 802.11b/g/n Wi-Fi® modules.

## Product category:

Wireless modules: Wi-Fi



## TAIYO YUDEN 802.11b/g/n Cortex-M4F Wi-Fi modules:

TAIYO YUDEN 802.11b/g/n Cortex-M4F Wi-Fi modules feature onboard antenna and filter to reduce number of supported components to be integrated into wireless designs. Based on the NXP 88MW320, embedded ARM® Cortex-M4F processor can help drive applications. FCC, ISED, and Japan pre-certified, optional embedded TAIYO YUDEN software can help simplify designs.

## Features:

- IEEE802.11b/g/n module with onboard trace antenna and band pass filter
- NXP 88MW320 SOC with embedded ARM Cortex-M4F processor
- FCC, ISED, and Japan pre-certified
- Optional integrated WLAN driver, OS, and Protocol Stack

## Specifications:

- Interface: UART
- Outline: 21.4 x 14.0 x 2.4max mm
- Output power: 15dBm (11b), 9dBm (11g), 9dBm (11n).
- Operating Temperature range: -30 to 85 deg-C

## Applications:

- |                 |                     |
|-----------------|---------------------|
| • Smart Home    | • Smart Appliances  |
| • Industrial    | • Smart Accessories |
| • Smart Devices | • Gateways          |

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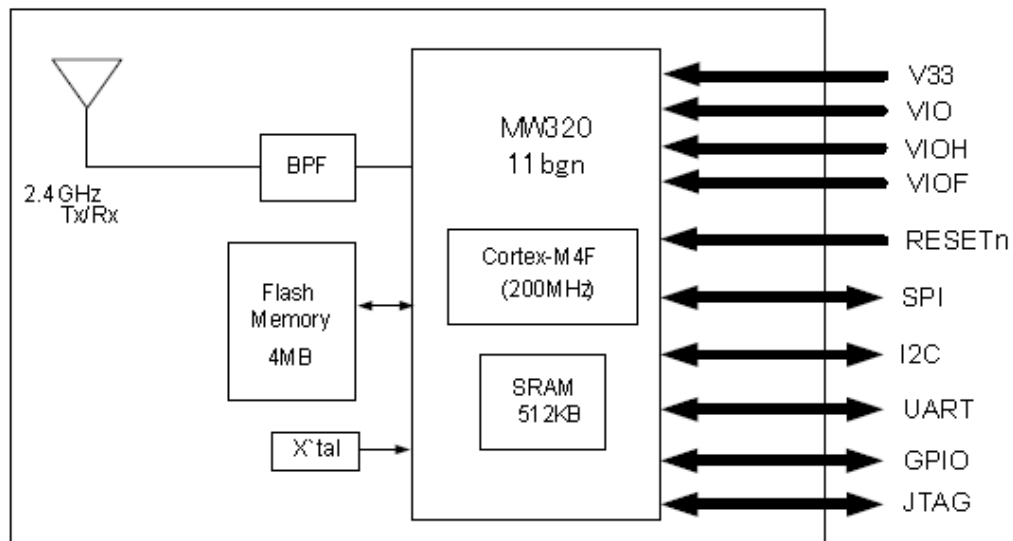
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## Relevant TAIYO YUDEN part numbers

- WYSACVLAY-XZ: Wi-Fi 802.11b/g/n, NXP 88MW320, 21.4 x 14 x 2.4 mm, Integrated antenna, FCC / Canada / Japan Pre-certified
- WBSACVLAY-XZ: Evaluation Board for 802.11b/g/n Wi-Fi module WYSACVLAY-XZ
- WKSACVLAY-XZ: Evaluation Kit for 802.11b/g/n Wi-Fi module WYSACVLAY-XZ
- WYSACVLAY-WX: Wi-Fi 802.11b/g/n, NXP 88MW320, 21.4 x 14 x 2.4 mm, Integrated antenna, FCC / Canada / Japan Pre-certified – SW embedded
- WBSACVLAY-WX: Evaluation Board for 802.11b/g/n Wi-Fi module WYSACVLAY-WX

## Block diagram:

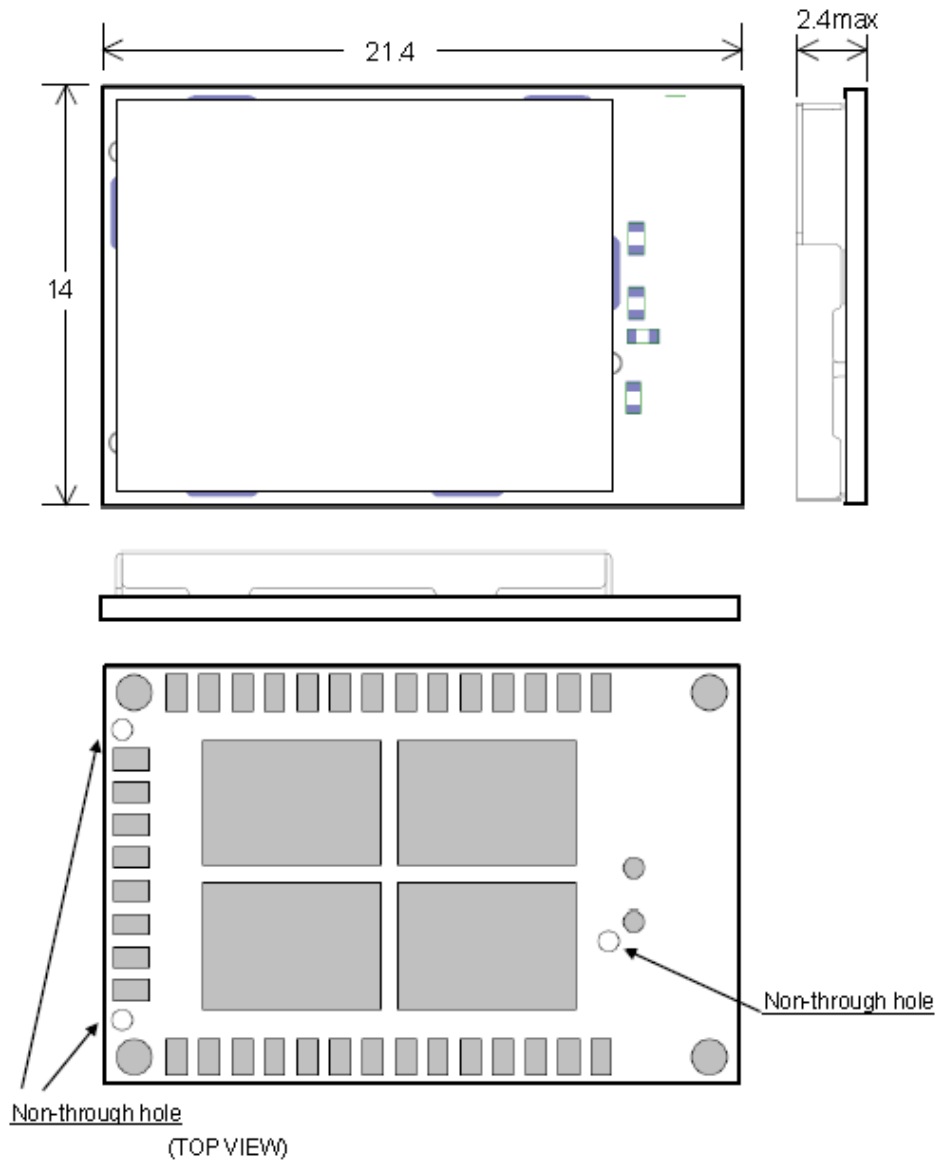


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## Outline



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## **Competitors:**

- Espressif
- Silicon Labs
- Murata
- Microchip
- U-Blox

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