

## Features

- Frequency: ISM 2.4/5GHz
- Full compatible with IEEE 802.11 a/b/g/n
- Support WPA-PSK, WPA2-PSK for Wi-Fi encryption
- Plug –and-Play Ethernet to Wi-Fi connectivity
- USB base configuration
- No driver installation required
- Builtin Watchdog
- Operating temperatures,-25 °C ~ +75 °C

# WF-2572/WF-2572M

Ethernet to Wi-Fi Bridge

## Introduction

The WF-2572(M) is an industrial Ethernet to Wi-Fi Bridge. The device only needs to connect the Ethernet cable with WF-2572M that can create an IEEE 802.11 a/b/g/n wireless personal network. The interfacebetween Ethernet and Wi-Fi use transparent transmission so that it can convert Wi-Fi to wire internet without complex settings. The WF-2572M also supports dual bands (2.4/5 GHz). The 2.4 GHz is more crowded than 5 GHz. Therefore, the devices on 2.4 GHz suffer much more interference than the ones on 5 GHz. The WF-2572M has less interference on 5 GHz.

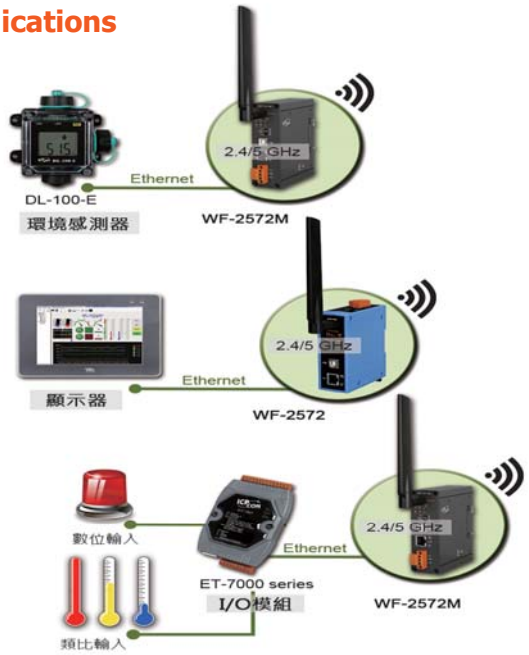
## Specifications

| Model | WF-2572 | WF-2572M |
|---|---|---|
| **Wi-Fi** | | |
| Transmission Distance (LoS) | 50 m (LOS) | |
| Standard | IEEE 802.11 a/b/g/n | |
| Operation Mode | Limit-AP & Infrastructure | |
| Encryption | Open/WPA/WPA2 | |
| Channels | 2.4 GHz: CH1~11<br>5 GHz: CH36, 40, 44, 48 | |
| Antenna | Omni-Directional<br>3 dBi @ 2.4 GHz<br>5.5 dBi @ 5 GHz | |
| **Ethernet** | | |
| Ports | 1 x RJ-45, 100Base-TX Ethernet Controller (Auto-MDIX) | |
| **USB** | | |
| Specification | USB 2.0 Full-Speed | |
| Connector | USB type B | |
| **Power** | | |
| Input Range | +10 ~ +30 VDC | |
| Consumption | 1.6 W | |
| **Mechanical** | | |
| Casing | Plastic | Metal |
| Dimensions (mm) | 33 mm x 95 mm x 120 mm (W x L x H) | 33 x 108 x 120 (W x L x H) |
| Installation | DIN-Rail | |
| **Environment** | | |
| Operating Temperature | -25 ~ 75 °C | |
| Storage Temperature | -30 ~ 80 °C | |
| Humidity | 10% ~ 95% (non-condensing) | |



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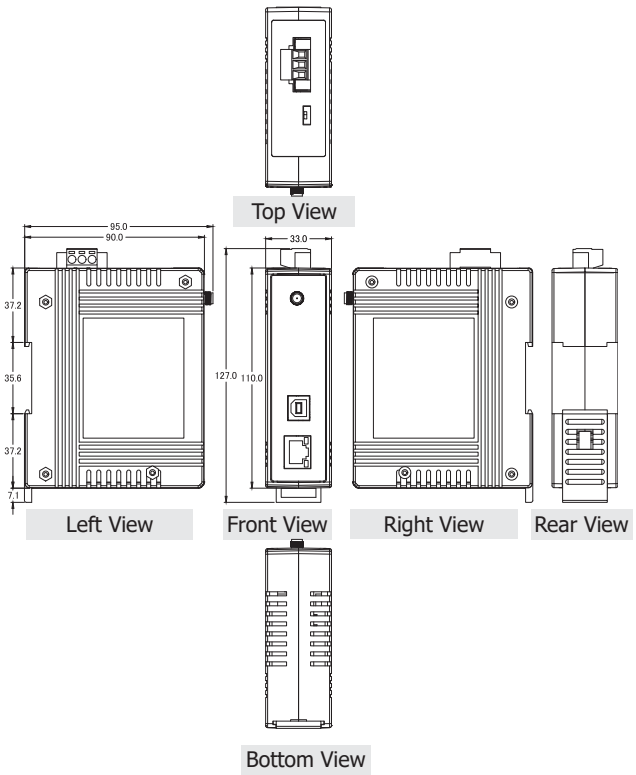
## Applications



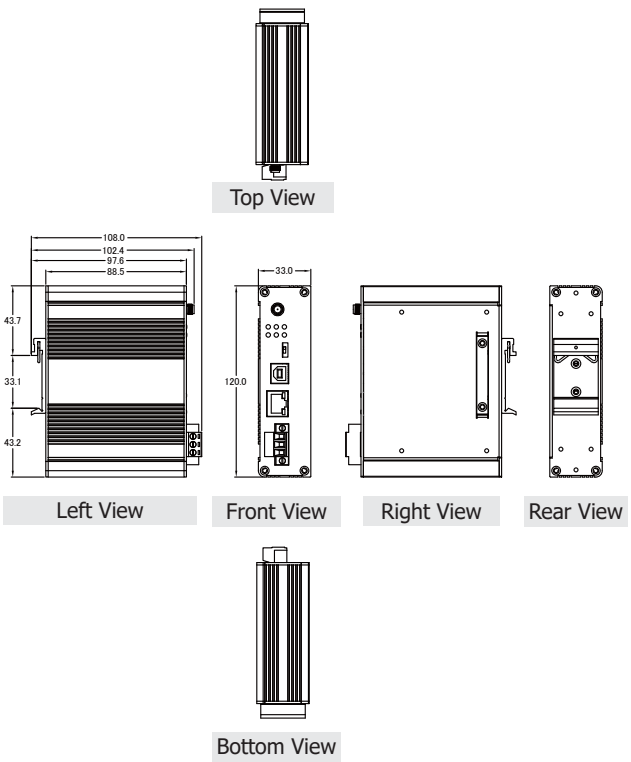




## Dimensions WF-2572 (Units: mm)




## Dimensions WF-2572M(Units: mm)




## Ordering Information

| | |
|---|---|
| **WF-2572 CR** | Ethernet to Wi-Fi Bridge with metal case (RoHS) |
| **WF-2572M CR** | Ethernet to Wi-Fi Bridge with metal case (RoHS) |

## Accessories

| | |
|---|---|
| **3S001-1 CR** | Antenna Extension Cable, RG58A/U, RP-SMA Male to RP-SMA Female, 1M (RoHS) |
| **3S003-1 CR** | Antenna Extension Cable, RG58A/U, RP-SMA Male to RP-SMA Female, 3M (RoHS) |
| **3S005-1 CR** | Antenna Extension Cable, RG58A/U, RP-SMA Male to RP-SMA Female, 5M (RoHS) |
| **3S008-1 CR** | Antenna Extension Cable, RG58A/U, RP-SMA Male to RP-SMA Female, 8M (RoHS) |



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