

## 2.4G 300Mbps Outdoor CPE

Model: WB2F01



## Description:

WB2F01 is a cost-effective wireless bridge, especially suitable for elevators, outdoor 1-kilometer access and other scenarios. It has strong penetrating ability and strong anti-interference ability to ensure the stable operation of the system.

## Main Features:

- The built-in 8dBi directional antenna can meet wireless transmission within 1KM and can realize point-to-point and point-to-multipoint outdoor coverage and applications.
- Supports intelligent channel analysis and automatic optimal channel selection, with a maximum rate of 300Mbps.
- The product supports universal relay mode and AP mode, and the user application scenarios are more extensive.
- Supports both PoE power supply and DC 12V power supply.
- Support one-click pairing.

## Hardware Specification:

|                            |   |      |         |      |         |
|----------------------------|---|------|---------|------|---------|
| Model                      | WB2F01  |      |         |      |         |
| CPU                        | MT7628DAN   |      |         |      |         |
| Flash                      | 8M  |      |         |      |         |
| DDR2                       | 64M   |      |         |      |         |
| 2.4G frequency             | 2.412 GHz ~ 2.484GHz                                  |      |         |      |         |
| 2.4G WIFI protocol         | 802.11 b / g / n                                      |      |         |      |         |
| Antenna                    | 2.4G directional panel antenna, gain: 8dBi            |      |         |      |         |
| Max Rate                   | 300Mbps   |      |         |      |         |
| 2.4G TX Power              | 802.11b   | 11M  | 19±2dBm | 1M   | 20±2dBm |
|                            | 802.11g   | 54M  | 17±2dBm | 6M   | 19±2dBm |
|                            | 802.11n HT20  | MCS7 | 16±2dBm | MCS0 | 18±2dBm |
|                            | 802.11n HT40  | MCS7 | 16±2dBm | MCS0 | 18±2dBm |
| 2.4G Receiving Sensitivity | 802.11b   | 11M  | -85dBm  | 1M   | -94dBm  |
|                            | 802.11g   | 54M  | -73dBm  | 6M   | -90dBm  |
|                            | 802.11n HT20  | MCS7 | -71dBm  | MCS0 | -89dBm  |
|                            | 802.11n HT40  | MCS7 | -68dBm  | MCS0 | -86dBm  |
| 2.4G EVM                   | 802.11b: ≤-10 dB ; 802.11g: ≤-25 dB ; 802.11n: ≤-28dB |      |         |      |         |
| ppm                        | ±20ppm  |      |         |      |         |

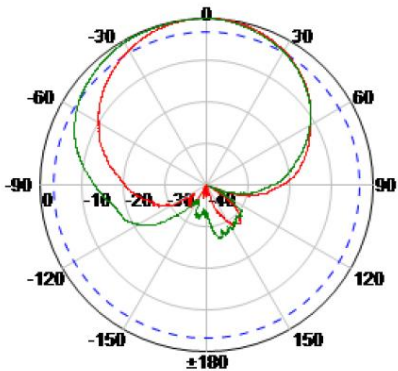
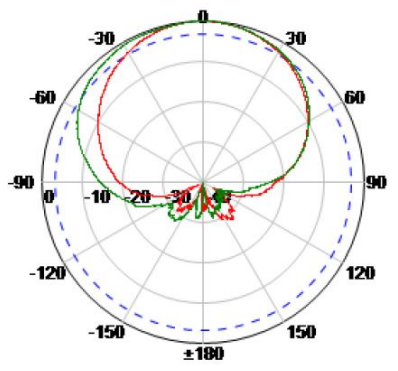
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|-----------------------|--|
| WAN                   | 1*10/100M WAN, support 24V passive POE   |
| LAN                   | 1*10/100M LAN  |
| Power                 | PoE 24V, DC 12V  |
| Max Power Consumption | <3W  |
| Reset                 | Long press for 10 seconds to restore the factory default configuration, and short press for 1 second to initiate pairing |
| Switch button         | Choose AP/ Repeater working mode   |
| Indicators            | SYS, WAN, LAN, WIFI, signal*4  |
| Dimension             | 168mm*86mm*39mm  |
| Weight                | 0.5kg  |
| Temperature           | Working: -20°C to 55°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95% (Non-Condensing)                                      |
| IP Grade              | IP65   |
| ESD                   | Air:±8K, Touch:±6K   |
| Electrical Surge      | Common Mode: 2K, Differential Mode: 1K   |

## Firmware Specification

|  |   |
|--|---|
| Working Mode   | AP: The device covers other clients and devices with wireless network signals, and connects to other routers using Ethernet to access the WAN               |
|  | Repeater: The device connects to other wireless AP devices through wireless signals, and covers other clients and devices with its wireless network signals |
| Wireless features  | SSID: 4   |
|  | Hide SSID   |
|  | Wireless Encryption: OPEN、WPA、WPA2、WPA-PSK、WPA2-PSK   |
|  | MAC filter: support whitelist(32)   |
|  | Relay Function  |
|  | WiFi timing off function  |
|  | User isolation: wireless network isolation, AP internal isolation   |
|  | RF Power adjustable   |
| Limited number of wireless clients, supporting a maximum of 64 users |   |
| Network  | VLAN config   |

|                   |   |
|-------------------|---|
| features          | DHCP server   |
|                   | Cloud server  |
| Device management | Backup configuration information                                      |
|                   | Restore configuration information                                     |
|                   | Restore factory settings  |
|                   | Restart includes scheduled restart and immediate restart              |
|                   | Firmware upgrade  |
|                   | Time management includes system display time and time synchronization |
|                   | System logs   |

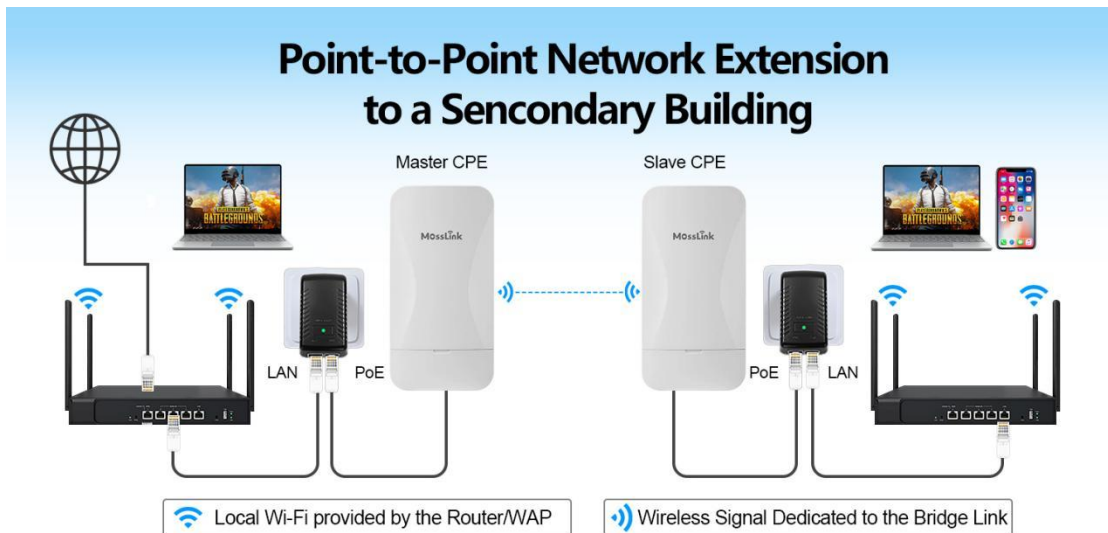
## Antenna Specification

|   |  |
|---|--|
| Frequency Range   | 2400 ~2483.5 MHz   |
| Impedance   | 50 Ohms nominal  |
| Gain  | 8dBi   |
| Radiation   | Directional  |
| Polarization  | Vertical/horizontal dual polarization  |
| Horizontal Beamwidth  | Vertical Beamwidth   |
|  |  |

Interface:



Usage:



## Accessory

|              |   |
|--------------|---|
| CPE          | 1 |
| PoE adapter  | 1 |
| Nylon tie    | 2 |
| Guide manual | 1 |
| Gift Box     | 1 |

## what's in the box

