

# IWF 502/502D

IP55 Outdoor AP/CPE Single Radio Single Band, 802.11 a/n



## Main Features

- AP/Client/Bridge/Router mode supported
- Compliant with IEEE 802.11 a/n 2x2 MIMO
- 300 Mbps data rate
- 24VDC PoE input
- Fast Ethernet RJ45
- WEP, WPA, WPA2
- Operating temperature range from -35 to 75°C
- FCC/CE certification

## Product Overview

IWF 502 series are cost effective 802.11a/n outdoor AP/CPE operating in 5GHz band. It has a build-in dual-polarity antenna or detachable SMA connectors with dual Ethernet ports. The IWF 502 series support passive 24VDC PoE allowing easy installation without any environment limitation.

### IWF 502 Series Category

Model	Description	Antenna
IWF 502	Outdoor AP/CPE 5GHz 802.11 a/n 2x2	14dBi embedded antenna
IWF 502D	Outdoor AP/CPE 5GHz 802.11 a/n 2x2	2x SMA connectors

## Specifications

### Wireless Radio

- 2 x 2 MIMO radios

### Frequency Ranges

- USA : 5.15 ~ 5.25 GHz, 5.725 ~ 5.825 GHz
- Europe: 5.15 ~ 5.35 GHz, 5.47 ~ 5.725 GHz
- Japan: 5.15 ~ 5.35 GHz, 5.47 ~ 5.725 GHz
- China: 5.725 ~5.85 GHz

### RF Output Power: (± 2dBm)

- IEEE802.11a
  - 27± 2dBm@6M
  - 22± 2dBm@54M
- IEEE802.11a/n HT20
  - 27± 2dBm@MCS0/8
  - 21± 2dBm@MCS7/15
- IEEE802.11a/n HT40
  - 27± 2dBm@MCS0/8
  - 21± 2dBm@MCS7/15

### Receive Sensitivity

- IEEE802.11a
  - -90dBm@6M

- -73dBm@54M
- IEEE802.11a/n HT20
  - -94dBm@MCS0/8
  - -72dBm@MCS7/15
- IEEE802.11a/n HT40
  - -91dBm@MCS0/8
  - -69dBm@MCS7/15

### Ethernet

- 10/100Base-TX MDI/MDI-X RJ-45 x 2

### Security

- Hide SSID
- MAC filtering ACL
- WEP
- WPA / WPA2

### Management

- HTTP(s) Web GUI
- Firmware upgrade
- Configuration Backup and Restore
- Factory default configuration
- SNMP V1/V2c

## Utility

- Wireless Site survey
- System Status
- Link Information
- Bandwidth Control
- Distance Adjustment
- Adjustable output power

## Physical and Power

- Support 24Vdc Power over Ethernet
- Dimension: 280 x 90 x 47 mm
- Weight: 342g
- Outdoor IP55 rated

## Environment Protection

- Operating temperature: -35°C to 75°C
- Storage temperature: -35°C to 75°C
- Humidity: 0% to 95% maximum (Non-condensing)
- Vibration: Random 0.3g

## Certification

- FCC
- CE
- RoHS compliant

## Package Contents

- IWF 502 series x 1
- 24VDC PoE injector x 1
- Power cord x 1

## Ordering Information

- IWF 502-US(P/N: 10T00050201X0)
- IWF 502D-US(P/N: 10T00050203X0)
- IWF 502-EU (P/N: 10T00050200X0)
- IWF 502D-EU (P/N: 10T00050202X0)

## Applications

