

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 built-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

* Note: The available frequency range may be different according to different certification.

RF Output Power: (\pm 2dBm)

- IEEE 802.11a
 - 27 \pm 2dBm@6M
 - 22 \pm 2dBm@54M
- IEEE 802.11a/n HT20
 - 27 \pm 2dBm@MCS0/8
 - 21 \pm 2dBm@MCS7/15
- IEEE 802.11a/n HT40
 - 27 \pm 2dBm@MCS0/8
 - 21 \pm 2dBm@MCS7/15

Receive Sensitivity

- IEEE 802.11a

- -90dBm@6M
- -73dBm@54M
- IEEE 802.11a/n HT20
 - -94dBm@MCS0/8
 - -72dBm@MCS7/15
- IEEE 802.11a/n HT40
 - -91dBm@MCS0/8
 - -69dBm@MCS7/15

Ethernet

- 10/100 Base-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)

* Note: The available RF output power will be given by certified power in different regions.

Applications

