

IWF 503 Series

IP55 Outdoor AP/CPE Single Radio Single Band, 802.11 ac/an/a



Main Features

- AP/Client bridge/ AP router/Client router/WDS mode supported
- Compliant with IEEE 802.11 ac/a/n 3x3 MIMO
- 1300 Mbps data rate
- 24Vdc PoE input
- 1 WAN+1 LAN ports GbE Ethernet RJ45
- WEP, WPA, WPA2
- Operating temperature range from -35 to 75°C
- FCC/CE certification

Product Overview

IWF503 is an IP55 outdoor cost effective AP/CPE router. IWF503 is single radio AP/CPE with IEEE802.11ac/an/a 3x3 MIMO with high RF power solution. The maximum data rate up to 1.3Gbps with two SKUs for internal patch antenna (IWF503) and external antenna (IWF503D) by customer selectable for high gain in long distance transmission. IWF503 also design as high power solution, up to 27dBm in 5GHz.

Specifications

Wireless Radio

- 1x IEEE 802.11ac/an/a 3x3 MIMO

Frequency Ranges

- USA: 5.15 ~ 5.35 GHz, 5.5 ~ 5.7 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 : IEEE 802.11ac

- IEEE802.11a
 - 27dBm@6M
 - 25dBm@54M
- IEEE802.11ac/n HT20
 - 25dBm@MCS0
 - 23dBm@MCS9
- IEEE802.11ac/n HT40
 - 25dBm@MCS0
 - 23dBm@MCS9
- IEEE802.11ac/n HT80
 - 25dBm@MCS0
 - 23dBm@MCS9

Receive Sensitivity: IEEE 802.11ac

- IEEE802.11a
 - -95dBm@6M
 - -77dBm@54M
- IEEE802.11ac/n HT20
 - -82dBm@MCS0
 - -71dBm@MCS7
 - -70dBm@MCS8
- IEEE802.11ac/n HT40
 - -92dBm@MCS0
 - -72dBm@MCS7
 - -66dBm@MCS9
- IEEE802.11ac/n HT80
 - -88dBm@MCS0
 - -68dBm@MCS7
 - -62dBm@MCS9

Hardware

- WAN: 10/100/1000 Base-TX MDI/MDIX RJ-45 x 1
- LAN: 10/100/1000 Base-TX MDI/MDIX RJ-45 x 1

- Compliant with :
 - IEEE802.3 / 802.3u
 - Hardware based 10/100/1000, full/half, flow control auto negotiation
- Push buttons: 1x Reset
- LED: 1x Power& Status; 1x WAN; 1x Wi-Fi
- SMA: 3x with RP-SMA connectors

Operating mode

- AP
- Client bridge
- AP router
- Client router
- WDS

Security

- WEP(64/128/152)
- WAP/WPA2 Mixed
- WPA2-personal (PSK+CCMP/AES)
- WPA2- enterprise (802.1X certification)
- Hidden ESSID support
- MAC address filtering (MAC ACL)
- Station isolation

System Management

- Web-based administration
- SNMP V1/V2c
- Provides event log
- SYSLOG information support
- Statistics
- Configuration backup and restore
- One-button-click to restore factory default setting
- Firmware upgrade
- WES

Built-in Servers & Client Interfaces to Other Services

- DHCP client
- SNMP v1/v2c client

Physical and Power

- 24VDC Passive PoE
- Wall/Pole mountable
- Dimension: 240x135x58 mm
- Weight: TBD

Environment Protection

- Operating temperature: -35~75°C
- Storage temperature: -40~80°C
- Humidity: 0% to 95% maximum (Non-condensing)
- Vibration: random 0.3g

Certification

- FCC
- CE
- RoHS compliant

Package Contents

- IWF503 unit x1
- 24V PoE injector
- Steel clamps*2 for pole mount
- QIG

* Note:

The available RF output power will be given by certified power in different region

Ordering Information

- IWF 503 (P/N: TBD)
- IWF 503D (P/N: TBD)