



Main Features

- ♦ Dual radios and compliant with 1 x 802.11an+1 x 802.11 b/g/n 2x2 MIMO
- ♦ 1+4 port GbE RJ45 ports
- ♦ Up to 27dBm high RF power
- ♦ Multiple functions: AP/Router/EZ Mesh
- ♦ Support 12V DC input
- ♦ Support -40~80°C extended operating temperature

Product Overview

IWF 310 is QCA9344-based rugged industrial-grade AP/Router/EZ Mesh AP designed with Aluminum and Metal Chassis, and IEEE802.11b/g/n 2x2 MIMO and IEEE802.11an/a 2x2 MIMO technology. IWF 310 can deliver data rate up to 300Mbps/each radio. In addition, the radio power can be up to 27dBm for wide range coverage and service. IWF 310 also functions as EZ Mesh network Wi-Fi access with cost-effective option.

Specifications

Wireless Radio

- ♦ 1 x IEEE 802.11an 2x2 MIMO
- ♦ 1 x IEEE 802.11 b/g/n 2x2 MIMO

Frequency Ranges

- ♦ USA: 2.400~2.483 GHz, 5.15~5.35 GHz, 5.5~5.7 GHz, 5.725~5.825 GHz
- ♦ Europe: 2.400~2.483 GHz, 5.15~5.35 GHz, 5.47~5.725 GHz
- ♦ Japan: 2.400~2.497 GHz, 5.15~5.35 GHz, 5.47~5.725 GHz
- ♦ China: 2.400~2.483 GHz, 5.725~5.85 GHz

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

RF Output Power: IEEE 802.11an (±2dBm)

- ♦ IEEE802.11a
 - 27dBm@54M
- ♦ IEEE802.11a/n HT20
 - 25dBm@MCS7
- ♦ IEEE802.11a/n HT40
 - 24dBm@MCS7

RF Output Power: IEEE 802.11 b/g/n (±2dBm)

- ♦ IEEE802.11b
 - 27dBm@1M
 - 24dBm@11M
- ♦ IEEE802.11g
 - 27dBm@6M
 - 24dBm@54M

- ♦ IEEE802.11g/n HT20
 - 23dBm@MCS0/8
 - 19dBm@MCS7/15
- ♦ IEEE802.11g/n HT40
 - 22dBm@MCS0/8
 - 18dBm@MCS7/15

Receive Sensitivity: IEEE 802.11an

- ♦ IEEE802.11a
 - -76dBm@54M
- ♦ IEEE802.11a/n HT20
 - -74dBm@MCS7
- ♦ IEEE802.11a/n HT40
 - -71dBm@MCS7

Receive Sensitivity: IEEE 802.11 b/g/n

- ♦ IEEE802.11b
 - -93dBm@1M
 - -91dBm@11M
- ♦ IEEE802.11g
 - -94dBm@6M
 - -80dBm@54M
- ♦ IEEE802.11g/n HT20
 - -94dBm@MCS0/8
 - -77dBm@MCS7/15
- ♦ IEEE802.11g/n HT40
 - -89dBm@MCS0/8
 - -73dBm@MCS7/15

Hardware

- ♦ WAN: 10/100/1000 Base-TX MDI/MDIX RJ-45 x 1
- ♦ LAN: 10/100/1000 Base-TX MDI/MDIX RJ-45 x 4
- ♦ Compliant with
 - IEEE802.3/802.3u
 - Hardware based 10/100/1000, full/half, flow control auto negotiation
- ♦ Push buttons: 1 x reset
- ♦ LED: 1 x Power & Status; 5 x Ethernet
- ♦ Antenna connectors: 2 x with RP-SMA

Operating Mode

- ♦ AP
- ♦ AP router
- ♦ Client router
- ♦ EZ Mesh

Security

- ♦ WEP (64/128)
- ♦ WPA/WPA2 mixed
- ♦ WPA2-personal (PSK+CCMP/AES)
- ♦ Hidden ESSID support
- ♦ MAC address filtering (MAC ACL)

System Management

- ♦ Web-based administration
- ♦ SNMP V1/V2c (Coming Soon)
- ♦ Syslog information support
- ♦ Statistics
- ♦ Configuration backup and restore
- ♦ One-button-click to restore factory default setting
- ♦ Firmware upgrade

Built-in Servers & Client Interfaces to Other Services

- ♦ DHCP client
- ♦ SNMP v1/v2c client(coming soon)

Physical and Power

- ♦ 12VDC power input with DC jack
- ♦ Wall mountable
- ♦ Dimension: 185 x 108 x 43 mm

Environment Protection

- ♦ Operating temperature: -40~80°C
- ♦ Storage temperature: -45~85°C
- ♦ Humidity: 0% to 95% maximum (non-condensing)
- ♦ Vibration: random 0.3g

Certification

- ♦ FCC
- ♦ CE
- ♦ RoHS compliant
- ♦ EN50155 compliant

Package Contents

- ♦ IWF310 unit x 1
- ♦ Dual band antenna x 2
- ♦ Ethernet cable x 1
- ♦ Wall-mount kit x 1
- ♦ AC-DC power adaptor x 1

Ordering Information

- ♦ IWF 310-US (P/N: 10T00031001X0)
- ♦ IWF 310-EU (P/N: 10T00031000X0)

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