



Main Features

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

Product Overview

IWF 300 is QCA9344-based industrial-grade AP/Router/EZ MESH AP designed with IEEE 802.11 b/g/n 2x2 MIMO and IEEE 802.11an 2x2 MIMO technology. IWF 300 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 300 also functions as EZ MESH network Wi-Fi access with cost-effective option.

Specifications

Wireless Radio

- 1x IEEE 802.11an 2x2 MIMO
- 1x 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

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

- IEEE802.11a
 - 12dBm@54M
- IEEE802.11an HT20
 - 12dBm@MCS7
- IEEE802.11an HT40
 - 11dBm@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
 - -76 dBm@54M
- IEEE802.11a/n HT20
 - -74dBm@MCS7
- IEEE802.11a/n HT40
 - -71dBm@MCS7

Receive Sensitivity: IEEE 802.11a/b/g/n 2Rx

- 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: 1x Reset; 1x WES
- LED: 1 x power& status; 5 x RJ45; 1 x WES
- Dual band antenna: 2x with RP-SMA connectors

Operating Mode

- AP
- AP router
- Client router
- EZ mesh (at 802.11ac, 5GHz)

Security

- WEP(64/128)
- 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
- 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/v2 client (coming soon)

Physical and Power

- 12VDC power input
- Wall mountable
- Dimension: 205 x 105 x 25 mm
- Weight: 640g

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

Package Contents

- IWF300 unit x 1
- Dual band antenna x 2
- Ethernet cable x 1
- Wall-mount kit x 1
- AC-DC power adaptor x 1

* Note:

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

Ordering Information

- IWF 300-EU (P/N: 10T00030000X0)
- IWF 300-US (P/N: 10T00030001X0)