



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 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

- 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
 - 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: 1 x reset; 1 x WES
- ♦ LED: 1 x Power & Status; 5 x RJ45; 1 x WES
- ♦ Dual band antenna: 2 x 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

Ordering Information

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

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