![level one logo]

WGR-2301 Version: 1

AC750 Dual Band Wireless Gigabit Router, Dual WAN, VPN

WGR-2301 Dual-band Business Wi-Fi Gigabit Router is a purpose-built solution designed for SOHO enterprises, offices, restaurants and coffee shops.WGR-2301 adopts 580MHz CPU and equips 3 fixed 7dBi omni-antennas. It supports 802.11ac WiFi standard and is compatible with 802.11a/b/g/n. Moreover, it works on 2.4GHz band and 5 GHz band, minimizing interference among wireless networks. It supports MIMO technology, which enables its wireless transmission rate up to 750Mbps.With a self-developed operating system, WGR-2301 supports CCA, extended for clear channel assessment, which can automatically adjust channels to avoid signal interference. It supports WDS to extend the coverage of wireless network. It supports smart QoS, which automatically allocates reasonable bandwidth for wireless stations, making sure users can download movies and play video games at the same time. It also supports files sharing by one USB port. WGR-2301 also offers an interface with Business WiFi System, which can be configured online and offer a user-defined captive portal when WiFi users joining the WLANs.

Key Features

- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- IPSec/PPTP VPN connection
- VPN pass-through for L2TP, PPTP and IPSec
- Up to 4 ports can be configured as WAN ports at a time, featuring load balancing and connection auto-failover functions
- Built-in robust firewall to protect Internet access against intruders
- QoS control for traffic prioritization and bandwidth management
- Private cloud function via external storage for sharing files, videos and music
- Layer 7 (application layer) filtering based on URL and keywords
- WMM (Wi-Fi Multimedia) function

Specifications

System Specifications

Standards & Protocols:
IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.11e Wi-Fi Multimedia (WMM)
IEEE 802.3x Ethernet Flow Control
IEEE 802.11i Wi-Fi Protected Access (WPA2)
IEEE 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac Wireless Networking

Memory:
128M

Connectors and Cabling:
5x 100/1000Mbps Ethernet Port (WAN/LAN)
Micro SD SDHC/TF card slot

Button:
Turbo button
Reset button

Indicator:
2.4G WLAN?5G WALN?SYS

Power:
DC 12V 2A

Wireless

Operating Mode:
AP Mode
WDS Hybrid

Encryption:
WEP 64/128-bit Web share key encryption
WPA, WPA2 128-bit TKIP/AES encryption
WPA, WPA2-PSK TKIP/AES encryption

Receive Sensitivity(dBm):
802.11n (20MHZ): Range (-72 ~ -87) dBm
802.11n (40MHZ): Range (-68 ~ -87) dBm
802.11g: Range (-72 ~ -91) dBm Error Rate = 10% at room temperature.
802.11b: Range (-89 ~ -91) dBm Error Rate = 8% at room temperature.

Channel:
Ch.1 ~ 11 USA
Ch.1 ~ 13 EU
Ch.36~165 Country

EIRP(dBm):
(Controllable for different country regulations)
802.11n: up to 20dBm ± 1dBm
802.11g: up to 23dBm ± 1dBm
802.11b: up to 26dBm ± 1dBm

Antenna:
3*7dBi

Frequency Band (GHz):
2.4GHz-2.483GHz
5.15GHz-5.85GHz

Data Transfer Rate:
802.11ac: 450~130Mbps
802.11n: 300 ~ 78 Mbps
802.11g: 54 ~ 6 Mbps
802.11b: 11 ~ 1 Mbps
802.11a:54~1.5Mbps

Features

Security:
SSID Broadcast On/Off

Management:
Web-Based GUI Configuration

Performance

Concurrent NAT Session:
30000

Data Transfer Rate:
Wired : Gigabit
Wireless: 750Mbps (11ac + 11n)

Storage Capacity:
32GB (TF card)

Packet Forwarding Rate:
30Kpps

Environment

Temperature (°C):
Operating:0°~40°C?
Storage:-10°~70°C

Humidity (Non-condensing):
Storage:0°~95°
Operating:10°~490°C?

Deployment:
desktop

Physical Specifications

Dimensions (W x D x H mm):
284*179*45mm

Weight (g):
2000g

Order Information

WGR-2301

Package Contents

WGR-2301
Quick Installation Guide
Resource CD (User Manual, QIG)
Antenna (x3)
Power Adapter