

SMB WiFi

2.4G & 5G concurrent | 802.11 a/b/g/n/ac | Ceiling Mount | 2x2 MIMO

WAP-5921



The WAP-5921 is a highly-reliable industrial ceiling-mount wireless access point designed to extend wireless network coverage for enterprise users. With the latest wireless 802.11ac technology for improvements in the speed, reliability and quality of wireless communications, the WAP-5921 provides simultaneous operation in both 2.4GHz and 5GHz wireless coverage for maximum flexibility.

Maximum 26dBm power transmission provides larger wireless coverage for your environment. The solid capacitors used in the WAP-5921 guarantee safety for long term usage. The Power Saving function not only saves the power consumption of the access point, but also saves the battery power for connected mobile devices.

Additionally, the WAP-5921 designed with a white elegant look which will not violate your interior design. WAP-5921 also features with multiple mounting types which provide easy installation for deployment.

FEATURES

- **Easy Installation:**
Ceiling-mount & T-rail mount design with easy installation kit.
- **Multiple SSIDs for Security Management:**
Supports up to 16 SSIDs ideal for multiple departments, user groups, customers or guests.
- **Wide Coverage & High Sensitivity:**
Adjustable RF output power and high receiver sensitivity for wide coverage across large spaces.
- **Power over Ethernet:**
Supports IEEE 802.3af PoE as well as included power adapter.
- **Built-In RADIUS Server:**
With management for up to 256 user accounts.
- **Advanced Qos Management & Traffic Shaping:**
Traffic priority can be arranged and managed by SSID, MAC address, port and IP address.
- **Load Balance:**
Maximum number of users can be adjusted for each SSID.

WAP-5921

2.4G & 5G concurrent | 802.11 a/b/g/n/ac | Ceiling Mount | 2x2 MIMO

SPECIFICATIONS

HARDWARE

- MCU/RF: MediaTek MT7620A (2.4GHz) + Qualcomm Atheros QCA9882 (5GHz)
- PHY: Qualcomm Atheros AR8035
- Memory: 64 MB
- Flash: 8 MB
- Physical Interface: LAN: 1 x 10/100/1000 Gigabit Ethernet with 802.3af PoE support
Reset Button
DC Power Jack
- Power Requirement : Power over Ethernet, IEEE 802.3af
DC : 12V / 1A
- Antenna Internal PIFA Antenna (3dBi 2.4GHz x 2, 4dBi 5GHz x 2)
- Others Internal Buzzer (Find me)

RF

- Wireless Standard : IEEE 802.11 a/b/g/n/ac
- Frequency Band : Radio I: 802.11b/g/n 2.400~2.484(GHz)
Radio II: 802.11a/n/ac 5.15~5.25(GHz), 5.25~5.35(GHz), 5.47~5.73(GHz), 5.73~5.85(GHz)
- Operation Channels : 2.4GHz: US/Canada 1-11
2.4GHz: Europe 1-13
2.4GHz: Japan 1-14
5GHz : Country dependent for the following ranges:
36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124,128, 132, 136, 140, 149, 153, 157, 161, 165

Transmit Power (Tolerance +-2dB)

- **802.11b**
26dBm@ 1Mbps
26dBm@ 11Mbps
- **802.11g**
26dBm@ 6Mbps
22dBm@ 54Mbps
- **802.11n(2.4G)**
26dBm@ MCS0(HT20/40)
22dBm@ MCS7(HT20/40)
- **802.11a**
26dBm@ 6Mbps
22dBm@ 54Mbps
- **802.11a/n(5G)**
26dBm@ MCS0/MCS8(HT20/40)
22dBm@ MCS7/MCS15(HT20/40)
- **802.11ac**
26dBm@ MCS0 (VHT20)
19dBm@ MCS9 (VHT40)
18dBm@ MCS9 (VHT80)

Receiver Sensitivity (Typical):

- **802.11b**
-95dBm@ 1Mbps
-90dBm@ 11Mbps
- **802.11g**
-91dBm@ 6Mbps
-75dBm@ 54Mbps
- **802.11n(2.4G)**
-90dBm@ MCS0(HT20/40)
-70dBm@ MCS7(HT20/40)
- **802.11a**
-89dBm@ 6Mbps
-72dBm@ 54Mbps
- **802.11a/n(5G)**
-89dBm@ MCS0(HT20)
-68dBm@ MCS7(HT20)
-86dBm@ MCS0(HT40)
-68dBm@ MCS7(HT40)
- **802.11ac**
-85dBm@ MCS0(VHT20/40/80)
-58dBm@ MCS9(VHT40/80)

SOFTWARE

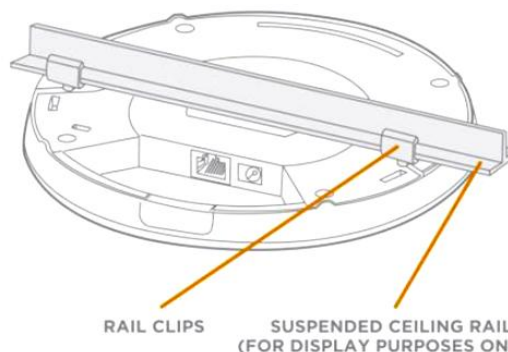
- Operation Mode: AP / WDS Bridge / WDS AP
- Multiple BSSID: Total 32 (16 for 2.4GHz, 16 for 5GHz)
- VLANs : SSID and Ethernet port based Tag/Untag (VID=1~4096)
- Wireless Mode : 11 a/11b/11g/11n/11ac
Channel selection (Setting varies by country)
Channel bandwidth (Auto, 20MHz, 40MHz, 80MHz)
Transmission Rate :
2.4GHz : 11b, 11g, 11b/g, 11g/n, 11b/g/n
5GHz : 11a, 11a/n, 11a/n/ac
- Pass-through : Support IPv6 and VPN Pass-through
- QoS : WMM, Max Associated Station Number
- WPS : Software
- Security : WEP Encryption – 64/128 bit
WPA Personal(WPA-PSK using TKIP or AES)
WPA Enterprise(WPA-EAP using TKIP or AES)
802.1x Authenticator: MD5/TLS/TTLS/PEAP
EAP-FAST, EAP-SIM, MAC Authentication
SSID Broadcast enable / disable
256 WLAN MAC Address Filter
WLAN L2 isolation (AP mode)
Wireless STA (Client) connected list

MANAGEMENT

- Tx Power Control: Adjust transmit power by 10, 25, 50, 75, 90, 100%
- Configuration: Web-based configuration
HTTP/HTTPS/SSH/CLI
- Firmware: Firmware upgrade via web browser
- SNMP: v1, v2c, v3. MIB II, IEEE802.11MIB, BridgeMIB, Interface MIB, Private MIB
- Auto-Channel: Automatically selecting lease congested channel
- Backup & Restore: Save & restore settings through Web interface
- CLI: Support Command Line Interface
- Local Radius: Radius Server Built-in (256 Accounts Supported)

ENVIRONMENT & PHYSICAL

- Temperature Range: Operation : 0 to 40°C (32°F to 122°F)
Storage : -20 to 60°C (-4°F to 140°F)
- Humidity Operation: 90% or less
Storage: 90% or less
- Certifications : FCC, CE
- Dimensions: 176(D) x 30(H)mm
- Weight: 306g



COMTREND CORPORATION

Taiwan:
3F-1, No.10, Lane 609, Chongxin Road, Section 5,
Sanzhong Dist. New Taipei City 24159, Taiwan
Tel: 886-2-2999-8261
Fax: 886-2-2999-8497

USA & Canada:
14 Chrysler, Irvine CA 92618, USA
Tel: 1-949-7539640
Fax: 1-949-7539020

Spain:
Edif. América II C/Próncion,7 portal 3 bajo H 28023
Madrid, Spain
Tel: 34-917990403
Fax: 34-913510999

Czech Republic:
TOKOVO Jankovcova 1518/2, 170 00, Prague 7,
Czech Republic
Tel: 420-266-782040
Fax: 420-266-782990