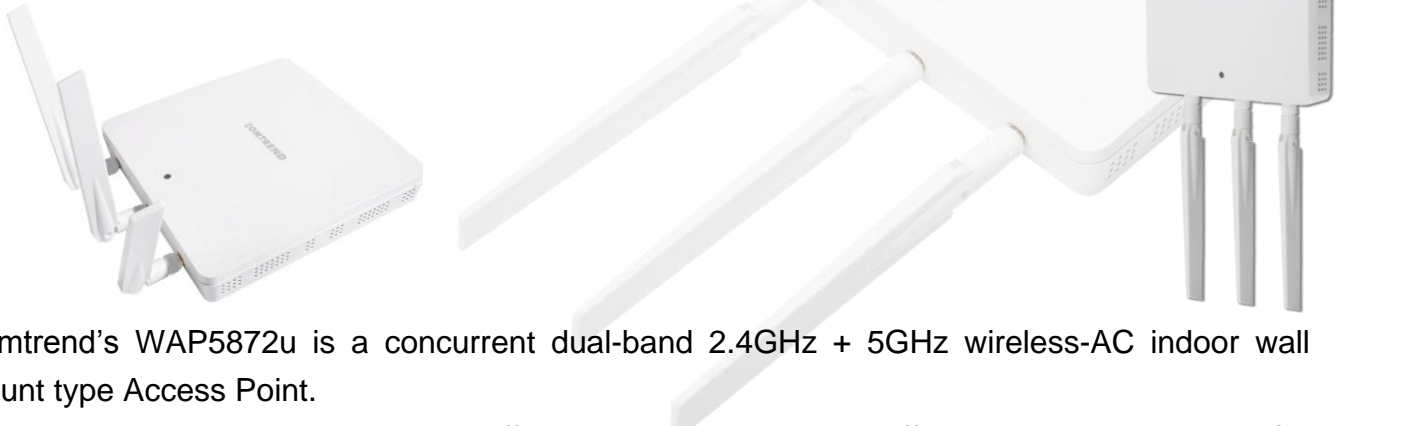


SMB WiFi

2.4G & 5G concurrent | 802.11 a/b/g/n/ac | Wall Mount | 3x3 MIMO

WAP-5872u



Comtrend's WAP5872u is a concurrent dual-band 2.4GHz + 5GHz wireless-AC indoor wall mount type Access Point.

The 802.11ac dual-band WAP5872u offers employees, guests, staff more expanded options for the transfer of large files or videos within the network. The Gigabit Ethernet (10/100/1000) port also offers great bandwidth capacity and data transfer through the network.

We care for your safety: in addition to superior performance and robustness, we also pass the critical medical standard "EN60601-1-2" for healthcare.

WAP5872u is ideal for extending networks in; multi-story buildings, hotels, resorts, hospitals, office buildings, universities and campuses. With the built-in radius server, you can easily manage your accounts without the need for an external radius server, allowing you to quickly establish your company's wireless network environment.

FEATURES

- **CONCURRENT DUAL-BAND 450 + 1300Mbps SUPPORT**

802.11AC dual radio concurrent operation in 2.4GHz and 5GHz for next generation wireless technology.

- **HIGH POWER, HIGH SENSITIVITY**

27.5 dBm for 2.4GHz and 5GHz, provide long range Wi-Fi coverage, -93dBm receiver sensitivity provides the best user experience.

- **MULTIPLE SSID**

Up to 32 SSIDs supported. (2.4GHz x 16 & 5GHz x 16)

- **802.3 at / af COMPATIBLE (PD / PSE)**

Supports Power over Ethernet (IEEE 802.3at / af) and allows deployment in areas where power is not available.

- **MEDICAL STANDARDS**

Meets the European EN60601-1-2 standard for healthcare.

- **Solid CAP**

We use Solid CAP as a staple in Comtrend's Access Point providing better safety and stability.

Exceptional Coverage

High Power (560mW) & High Sensitivity (-93dBm).



Comprehensive Network Features

Supports multiple SSIDs, wireless isolation feature, and Internal Radius Server.



WAP-5872U

2.4G & 5G concurrent | 802.11 a/b/g/n/ac | Wall Mount | 3x3 MIMO

SPECIFICATIONS

HARDWARE

- MCU/RF: Qualcomm Atheros QCA9558(2.4GHz)+QCA9880(5GHz)
- Memory: 128 MB
- Flash: 16 MB
- Physical Interface:
 - LAN: 2 x 10/100/1000 Gigabit Ethernet with PoE support 802.3at PD(LAN 1)+ 802.3af PSE(LAN 2)
 - WPS / Reset Button
 - USB interface
 - Eject Button (USB eject)
 - DC Power Jack
 - On / Off Switch
- Power Requirement : Power over Ethernet, IEEE 802.3at DC : 12V / 4A

RF

- Wireless Standard : IEEE 802.11 a/b/g/n/ac
- Frequency Band : Radio I: 802.11b/g/n 2.412~2.484(GHz)
Radio II: 802.11a/n/ac 5.18~5.24(GHz), 5.26~5.32(GHz), 5.5~5.7(GHz), 5.745~5.825(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**
 - 27.5dBm@1Mbps
 - 27.5dBm@2Mbps
 - 27.5dBm@5.5Mbps
 - 27.5dBm@11Mbps
- **802.11g**
 - 27.5dBm@6Mbps
 - 27.5dBm@9Mbps
 - 27.5dBm@12Mbps
 - 27.5dBm@18Mbps
 - 27.5dBm@24Mbps
 - 26.5dBm@36Mbps
 - 24.5dBm@48Mbps
 - 23.5dBm@54Mbps
- **802.11n(2.4G)**
 - 27.5dBm@MCS0/MCS8
 - 26.5dBm@MCS1/MCS9
 - 26.5dBm@MCS2/MCS10
 - 26.5dBm@MCS3/MCS11
 - 25.5dBm@MCS4/MCS12
 - 24.5dBm@MCS5/MCS13
 - 23.5dBm@MCS6/MCS14
 - 22.5dBm@MCS7/MCS15
- **802.11a**
 - 26.5dBm@6Mbps
 - 26.5dBm@9Mbps
 - 26.5dBm@12Mbps
 - 26.5dBm@18Mbps
 - 26.5dBm@24Mbps
 - 25.5dBm@36Mbps
 - 23.5dBm@48Mbps
 - 22.5dBm@54Mbps
- **802.11a/n(5G)**
 - 27.5dBm@MCS0/MCS8
 - 26.5dBm@MCS1/MCS9
 - 26.5dBm@MCS2/MCS10
 - 25.5dBm@MCS3/MCS11
 - 24.5dBm@MCS4/MCS12
 - 23.5dBm@MCS5/MCS13
 - 22.5dBm@MCS6/MCS14
 - 22.5dBm@MCS7/MCS15
- **802.11ac**
 - 27.5dBm@MCS0/MCS10
 - 26.5dBm@MCS1/MCS11
 - 26.5dBm@MCS2/MCS12
 - 25.5dBm@MCS3/MCS13
 - 25.5dBm@MCS4/MCS14
 - 24.5dBm@MCS5/MCS15
 - 23.5dBm@MCS6/MCS16
 - 22.5dBm@MCS7/MCS17
 - 20.5dBm@MCS8/MCS18
 - 19.5dBm@MCS9/MCS19

Receiver Sensitivity

- 802.11b
 - ≤-93dBm@1Mbps
 - ≤-90dBm@11Mbps
- 802.11g
 - ≤-90dBm@6Mbps
 - ≤-74dBm@54Mbps
- 802.11gn(2.4G)
 - ≤-90dBm@MCS0
 - ≤-72dBm@MCS7
 - ≤-90dBm@MCS8
 - ≤-66dBm@MCS15
- 802.11a
 - ≤-90dBm@6Mbps
 - ≤-72dBm@54Mbps
- 802.11n(5G)
 - ≤-90dBm@MCS0
 - ≤-66dBm@MCS7
 - ≤-90dBm@MCS8
 - ≤-66dBm@MCS15
- 802.11ac
 - ≤-84dBm@MCS0
 - ≤-56dBm@MCS9

SOFTWARE

- Multiple BSSID: Total 32 (16 for 2.4GHz, 16 for 5GHz)
- VLANs : SSID and Ethernet port based tag/untag (VID=1~4096)
- Spanning Tree : RSTP (Rapid Spanning Tree)
- Wireless Mode :
 - 11 a/11b/11g/11n/11ac
 - Channel selection (Setting varies by country)
 - Channel bandwidth (Auto, 20, 40, 80MHz)
 - Transmission Rate :
2.4GHz: 11n only, 11b/g/n mix, 11b only, 1b/g, 11g only
5GHz: 11n only, 11a/n/ac mix, 11a only, 11ac only
- Pass-through : IPv6 and VPN (PPTP, L2TP, IPSEC)
- QoS : WMM
Max Associated Station Number
Load balance
Software
- WPS : WEP Encryption: 64/128 bit
WPA Personal(WPA-PSK using TKIP or AES)
WPA Enterprise (WPA-EAP using TKIP)
802.1x Authenticator: MD5/TLS/TTLS/PEAP
SSID Broadcast enable / disable 256 WLAN
MAC Address Filter
WLAN L2 isolation (AP mode) Wireless
STA(Client) connected list
- Security :

MANAGEMENT

- Tx Power Control: Adjust power by 10, 25, 50, 75, 90, 100%
- Configuration: Web-based configuration
HTTP/HTTPS/Telnet/SSH
- Firmware: Firmware upgrade via web browser
- SNMP: v1, v2c, v3. MIB II, IEEE802.11MIB, BridgeMIB, Interface MIB, IEEE802.1AE LLDP-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 104°F)
(Use Power Adapter) Storage : -20 to 60°C (-4°F to 140°F)
- Certifications : FCC, CE, EN 60601-1-2
- Dimensions: 183mm (L) x 183mm (W) x 36mm (H)
- Weight: 560g



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/Prócion,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