SMB WiFi

AC900 | 5GHz Single-Band | Outdoor | PoE

WAP-5925mn WAP-EN900R

COMTREND WAP-5925mn is a highly-reliable outdoor 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-5925mn provides operation in 5GHz wireless coverage for maximum flexibility.

Additionally, the WAP-5925mn features two gigabit LAN ports. One is for passive Power over Ethernet and the other one is Pass-through passive PSE power which can power up another IP Camera or networking device.

A wall or pole-mounted design and industrial-grade build quality combined with user-friendly operation and extensive feature set, make an ideal high-performance solution for demanding day-to-day enterprise operations.

FEATURES

- **802.11AC High Speed:**
  IEEE 802.11ac with 900Mbps wireless speed.
- **Wide Coverage & High Sensitivity:**
  Adjustable RF output power and high receiver sensitivity for wide coverage across large spaces.
- **Multiple SSID:**
  Supports up to 16 SSIDs ideal for multiple departments, user groups, customers or guests.
- **Power Over Ethernet**
  Supports Passive PoE in and out.

- **Built-In RADIUS Server:**
  With management for up to 256 user accounts.
- **Central Management**
  Easy and intuitive central management tool, supports AP array architecture.
- **Easy Installation**
  Wall-mount or pole-mounted design with easy installation kit.
- **TR-069 Remote Management:**
  Remotely manage firmware updates, configurations and backup.

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SPECIFICATIONS

HARDWARE

· MCU/RF:	MT7621A (MCU) + QCA9882 (5GHz)
· Memory:	128 MB
· Flash:	16 MB
· Physical Interface:	LAN: 2 x Gigabit Ethernet with PoE support
	- LAN 1: 48V passive PD-IN
	- LAN 2: Pass-through 48V passive PSE-OUT
	Reset Button
	Slide Switch (LAN 2 PSE-OUT On/Off)
	SMA Connector x 2: for External Antennas
· Power Requirement:	Power over Ethernet
	48V/1A Passive PD-IN
· Antenna:	14 dBi Internal Patch Antenna

RF

· Wireless Standard：	IEEE 802.11 a/an/ac
· Frequency Band：	Radio: 802.11a/an/ac
	5.150~5.250(GHz), 5.250~5.350(GHz), 5.470~5.725(GHz), 5.725~5.850(GHz)
· Operation Channels：	5GHz: *The support channel is restricted by local regulatory requirements:*
	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 *(Maximum power is limited by local regulation)*

- **802.11a**
  25dBm@ 6Mbps
  21dBm@ 54Mbps
- **802.11a/n(5G)**
  25dBm@ MCS0/MCS8 (HT20/40)
  21dBm@ MCS7/MCS15 (HT20/40)
- **802.11ac**
  25dBm@ MCS0 (VHT20/40/80)
  21dBm@ MCS7 (VHT20/40/80)
  19dBm@ MCS9 (VHT20/40/80)

RECEIVER SENSITIVITY *(Typical)*

- **802.11a**
  ≤ -89dBm@ 6Mbps
  ≤ -72dBm@ 54Mbps
- **802.11a/n(5G)**
  ≤ -89dBm@ MCS0 (HT20)
  ≤ -68dBm@ MCS7 (HT20)
  ≤ -86dBm@ MCS0 (HT40)
  ≤ -66dBm@ MCS7 (HT40)
- **802.11ac**
  ≤ -83dBm@ MCS0 (VHT20/40/80)
  ≤ -56dBm@ MCS9 (VHT40/80)

SOFTWARE

· Multiple BSSID:	Total 16
· VLANs：	SSID and Ethernet port based Tag/Untag
· Wireless Mode：	11a/11an/11ac
	Channel selection (Setting varies by country)
	Channel bandwidth (Auto, 20/40/80MHz)
	Transmission Rate:
	5GHz: 11a, 11a/n, 11a/n/ac
· Pass-through：	Support IPv6 and VPN Pass-through
· QoS：	WMM, Max Associated Station Number
· Security：	WPS - Software
	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

· Deployment	Standalone (AP mode)
	Managed AP mode: Be managed by Comtrend AP Controller (WLC-6404) or Comtrend SMB AP
· Tx Power Control:	Adjust power by 10, 25, 50, 75, 90, 100%
· Configuration:	Web-based configuration
	HTTP/HTTPS/SSH/CLI
· Firmware:	Upgrade via WEB, CLI, FTP
· SNMP:	v1, v2c, v3. MIB II, IEEE802.11MIB, BridgeMIB, Interface MIB, Private MIB
· Backup & Restore:	Save & restore settings through web interface and USB memory stick.
· CLI:	Support Command Line Interface
· RADIUS Server	Built-in
· TR-069 Support:	Remotely manage firmware updates, configurations and backup.

ENVIRONMENT & PHYSICAL

· Temperature Range:	Operation : -30 to 60℃ (-22 to 140℉)
	Storage : -40 to 70℃ (-40 to 158℉)
· Humidity	Operating: 90% or less
	Storage: 90% or less
· Certifications :	FCC, CE
· Dimensions:	242.3(L) x 120.9(W) x 48.8(D)mm
· Weight:	588g
· Waterproof rated	IP55

COMTREND CORPORATION

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Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.