SMB WiFi

802.11n, 2T2R | Ceiling-Mount | PoE Access Point | 300 Mbps
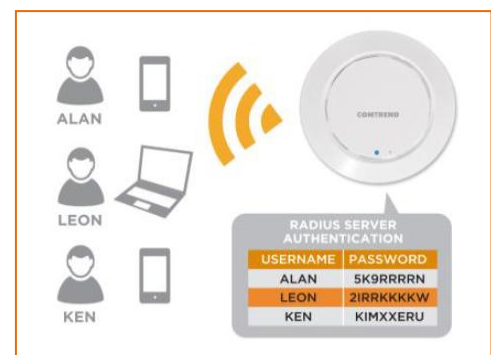
WAP-5923mn   WAP-EN300C

Comtrend WAP-5923mn is a reliable and affordable entry level wireless access point designed to meet the needs of modern small to medium sized businesses. Industrial-grade performance and build quality combined with user-friendly operation, an extensive feature set and a practical, ceiling-mount design make an ideal product for day-to-day enterprise use.

Maximum 26dBm power transmission provides larger wireless coverage. The solid capacitors used in the WAP-5923mn guarantees safety for long term usage. Power Saving function not only saves the power consumption of the access point but also saves the power of battery for connected mobile devices. The WAP-5923mn has a wide range of potential applications from office environments to schools, campuses, hotels and hospitals. Multiple SSIDs can be configured for different departments or user groups and a built-in RADIUS server provides additional verification with a scalable AP array architecture for central management of multiple access points.

FEATURES

- **Wide Coverage & High Sensitivity:**
  Adjustable RF output power and high receiver sensitivity for wide coverage across large spaces.
- **Easy Installation:**
  Ceiling-mount & T-rail mount design with easy installation kit.
- **Power over Ethernet:**
  Supports IEEE 802.3af PoE (PD).
- **Built-In RADIUS Server:**
  With management for up to 256 user accounts.
- **Multiple SSIDs for Security Management:**
  Supports up to 16 SSIDs ideal for multiple departments, user groups, customers or guests.
- **Advanced Qos Management & Traffic Shaping:**
  Traffic priority can be arranged and managed by SSID, MAC address, port and IP address.
- **Central Management:**
  Built-in Network Management Suite (NMS), easy and Intuitive web-based central management suite, supports AP array architecture.

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.

www.comtrend.com

WAP-5923mn

802.11n, 2T2R | Ceiling-Mount | PoE Access Point | 300 Mbps

SPECIFICATIONS

HARDWARE

· MCU/RF:	MediaTek MT7620A
· PHY:	Qualcomm Atheros AR8035
· 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 x 2)
· Power Consumption:	6.5W (Full Loading)
· LED Indicator	Power & Diag LED
· Others	Internal Buzzer (Find me)

RF

· Wireless Standard：	IEEE 802.11 b/g/n
· Frequency Band：	2.412~2.484(GHz)
· Operation Channel:	US/Canada 1-11
	Europe 1-13
	Japan 1-14

TRANSMIT POWER

· 802.11b
26dBm@1Mbps
26dBm@11Mbps

· 802.11g
26dBm@6Mbps
22dBm@54Mbps

· 802.11n
26dBm@ MCS0 (HT20/40)
22dBm@ MCS7 (HT20/40)

RECEIVER SENSITIVITY

· 802.11b
≤-95dBm@1Mbps
≤-90dBm@11Mbps

· 802.11g
≤-91dBm@6Mbps
≤-75dBm@54Mbps

· 802.11n
≤-90dBm@ MCS0 (HT20/40)
≤-70dBm@ MCS7 (HT20/40)

ENVIRONMENT & PHYSICAL

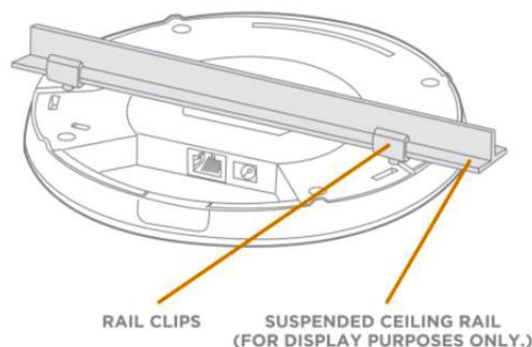|	
· Temperature Range:	Operation : 0 to 50℃ (32℉ to 122℉)
	Storage : -20 to 60℃ (-4℉ to 140℉)
· Humidity	Operation: 90% or less
	Storage: 90% or less
· Certifications :	FCC, CE
· Dimensions:	176(D) x 30(H)mm
· Weight:	287g

SOFTWARE

· Operation Mode:	AP / WDS Bridge / WDS AP
· Multiple BSSID:	Total 16
· VLANs:	SSID and Ethernet port based Tag/Untag (VID= 1~4096)
· Wireless Mode:	Wireless Mode:11b/11g/11n
	Channel selection (Setting varies by country)
	Channel bandwidth (Auto, 20MHz, 40MHz)
	Transmission Rate:
	11b, 11g, 11b/g, 11g/n, 11/b/g/n
· 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 by TKIP or AES)
	WPA Enterprise (WPA-EAP by 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:	Upgrade via WEB, CLI, TFTP and FTP
· 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
· Power Saving:	Support ARP Proxy for connected wireless client
· Deployment:	Standalone Managed by Comtrend NMS

DROP CEILING READY

RAIL CLIPS   SUSPENDED CEILING RAIL (FOR DISPLAY PURPOSES ONLY.)

COMTREND CORPORATION