

AC-1027L

Product Specification



IEEE 802.11ac/a/b/g/n
Wireless Concurrent Ceiling AP

AC-1027L Specifications

Hardware	
Standard	IEEE 802.11ac/a/b/g/n
Chipset	2.4GHz: QCA9531 5GHz: QCA9887
SPI Flash	16 Mbyte
Memory (DDR II)	128 Mbyte
Standard Compliance	IEEE 802.3u MDI/MDIX 10/100 Base-T Ethernet IEEE 802.ab 100 BASE-T Ethernet IEEE 802.11ab/g/n/a/ac wireless LAN Support
Interfaces	2 x RJ45support 10/100Mbps (WAN x 1, LAN x 1) 1 x Reset Button 1 x Power Jack (option)
Ethernet Interfaces	2 x 10/100 Base-T Ethernet connector WAN for Power over Ethernet (802.3at) with Cat5e/6 cable
Antenna	2.4GHz - 2 x 2dBi antenna 5GHz - 1 x 5dBi antenna
POE	IEEE 802.3at POE support
Static Discharge Protection	IEC61000-4-2(Criteria B) Air: ±8kV Contact: ±4kV
Power Consumption	≤ 12W

LED Definition	PWR/SYS (Green)	WLAN (Green)	WAN (Green)
	Off: power/system off On: power/system on	Off: No WLAN connection On: WLAN connected Blinking: Data Rx/Tx	Off: No Ethernet connection On: Ethernet connected Blinking: Data Rx/Tx

Data Rate	
IEEE 802.11a	6/9/12/18/24/36/48/54 Mbps & Auto Fallback
IEEE 802.11b	1/2/5.5/11 Mbps & Auto Fallback
IEEE 802.11g	6/9/12/18/24/36/48/54 Mbps & Auto Fallback
IEEE 802.11n	HT20 MCS0~15 / HT40 MCS0~15
IEEE 802.11ac	VHT20 MCS0~15 / VHT40 MCS0~9 / VHT80 MCS0~9

Output Power	IEEE 802.11b	IEEE 802.11g	IEEE 802.11a
	23dBm	23dBm	23dBm
	IEEE 802.11gn	IEEE 802.11an	IEEE 802.11ac
	HT20, MCS0/8: 23dBm	HT20, MCS0: 23dBm	VHT20, MCS0: 23dBm
	HT20, MCS7/15: 23dBm	HT20, MCS7: 20dBm	VHT20, MCS8: 18dBm
	HT40, MCS0/8: 23dBm	HT40, MCS0: 23dBm	VHT40, MCS0: 23dBm
	HT40, MCS7/15: 23dBm	HT40, MCS7: 20dBm	VHT40, MCS9: 18dBm
			VHT80, MCS0: 23dBm
			VHT80, MCS9: 17dBm

AC-1027L Specifications

Rx Sensitivity	IEEE 802.11b	IEEE 802.11g	IEEE 802.11a
	11Mbps : -76dBm	6Mbps: -82dBm 54Mbps: -65dBm	6Mbps: -82dBm 54Mbps: -65dBm
	IEEE 802.11gn	IEEE 802.11an	IEEE 802.11ac
	HT20/MCS0: -82dBm HT20/MCS7: -64dBm HT40/MCS0: -79dBm HT40/MCS7: -61dBm	HT20/MCS0: -82dBm HT20/MCS7: -64dBm HT40/MCS0: -79dBm HT40/MCS7: -61dBm	VHT20/MCS0: -82dBm VHT20/MCS8: -59dBm VHT40/MCS0: -79dBm VHT40/MCS8: -56dBm VHT80/MCS0: -76dBm VHT80/MCS8: -53dBm

Modulation	
IEEE 802.11a/b/g	DSSS - CCK, DQPSK, DBPSK OFDM - BPSK, QPSK, QAM-16, QAM-64
IEEE 802.11g/n	OFDM - BPSK, QPSK, QAM-16, QAM-64
IEEE 802.11ac	OFDM - BPSK, QPSK, QAM-16, QAM-64, QAM-256

Operating Frequency	
IEEE 802.11b/g/n 20MHz	USA (FCC): 2.412GHz~2.462GHz Europe (ETSI): 2.412GHz~2.472GHz Japan (ARIB) : 2.412GHz~2.472GHz
IEEE 802.11g/n 40MHz	USA (FCC): 2.422GHz~2.452GHz Europe (ETSI): 2.422GHz~2.462GHz Japan (ARIB): 2.422GHz~2.462GHz
IEEE 802.11a/n 20/40MHz	USA (FCC): 5.15GHz~5.25GHz; 5.725GHz~5.85GHz Europe (ETSI): 5.15GHz~5.35GHz; 5.47GHz~5.725GHz Japan (ARIB): 5.15GHz~5.35GHz; 5.47GHz~5.725GHz

Firmware	
Standard Protocols	TCP/IP, IPv4 / IPX / NetBEUI / CAPWAP
Management Modes	Managed Standalone
Network Modes	Bridge Router

Management			
Support for	CAPWAP CLI (SSH / Telnet)	SNMP MIB (FAP Mode) WEB UI Management	SNMP Trap (FAP Mode) Fault detection and alarm

WLAN			
SSIDs	2.4GHz - 8 SSID 5.8GHz - 8 SSID		
VAP	2.4GHz -8 VAP 5.8GHz - 8 VAP		
Support for	VLAN Load Balance Data Rate Selection Time Server	Flow Control WMM Transmit Power Adjustment VPN Pass Through	

AC-1027L Specifications

Security	
Standard	IEEE 802.1x
Encryption	64-bit and 128-bit WEP / WPA (TKIP) / WPA2 (AES)
Authentication	Open System WPA / WPA2 WPA-PSK / WPA2-PSK
MAC Address Control	1-256
Web Portal Authentication	Provided by access controller
Additional support for	Wireless Isolation Hidden SSID

Diagnosis Capabilities		
	User List	Adjacent AP Scan
	IP Ping Test	Port Statistics

Physical	
Dimension	175mm (L) x 175mm (D) x 39.1mm (H)
Weight	500g
Mount type	Ceiling Mount

Environmental	
Operating Temperature	0~ 50°C
Operating Humidity	15 ~ 90% relative humidity non-condensing
Storage Temperature	-10 ~ 60°C
Storage Humidity	15 ~ 90% relative humidity non-condensing
Green	RoHs/REACH compliant
Warranty	24 months

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