

AC-1030

Product Specification



IEEE 802.11ac/a/b/g/n
4x4 Wireless Access Point

AC-1030 Specifications



Hardware	
Standard	IEEE 802.11ac/a/b/g/n
Chipset	CPU: IPQ8065 RF: QCA9984 PHY: QCA8337
CPU Frequency	1.7GHz
NOR Flash	32 Mbyte
Memory (DDR III)	256 Mbyte x2
Standard Compliance	IEEE 802.3u MDI/MDIX 10/100/1000 Base-T Ethernet IEEE 802.b/g/n wireless LAN standard IEEE 802.11a/an/ac wireless LAN standard
Interfaces	2 x RJ45support 10/100/1000Mbps (WAN x 1, LAN x 1) 1 x Reset Button 1 x Console
Antenna	4 x 2.4GHz (internal) 4 x 5GHz (internal)
Power Supply	IEEE 802.3at POE support +48V PTE support
Static Discharge Protection	EN61000-4-5 L-G: 4kV L-L: 2kV
Power Consumption	≤ 25.5W (input 48V)

LED Definition	
PWR/SYS (Green)	Off: power/system off On: power/system on
LAN1 & LAN2 (Green)	Off: No Ethernet connection Blinking: Data Rx/Tx
WLAN (Green)	Off: No WLAN connection On: WLAN connection

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 802.11an/gn	(GI=400ns) 7.2Mbps ~ 288.9Mbps @ 20MHz, 15Mbps ~ 600Mbps @ 40MHz & Auto Fallback
IEEE 802.11ac	(GI=400ns) 7.2Mbps ~ 346.7Mbps @ 20MHz, 15Mbps ~ 800Mbps @40MHz, 32.5Mbps ~ 1733.3Mbps @ 80MHz/160MHz & Auto Fallback

Output Power - 2.4GHz	IEEE 802.11b	IEEE 802.11g
	22dBm	22dBm @ 6Mbps 19dBm @ 54Mbps
	IEEE 802.11n	IEEE 802.11ac
	HT20, MCS0: 22dBm	VHT20, MCS0: 22dBm
	HT20, MCS7: 19dBm	VHT20, MCS8: 15dBm
	HT40, MCS0: 22dBm	VHT40, MCS0: 22dBm
	HT40, MCS7: 19dBm	VHT40, MCS9: 15dBm

AC-1030 Specifications



Output Power - 5GHz	IEEE 802.11a	IEEE 802.11an	IEEE 802.11ac
	22dBm @ 6Mbps	HT20, MCS0: 22dBm	VHT20, MCS0: 22dBm
	20dBm @ 54Mbps	HT20, MCS7: 20dBm	VHT20, MCS8: 18dBm
		HT40, MCS0: 22dBm	VHT40, MCS0: 22dBm
		HT40, MCS7: 20dBm	VHT40, MCS9: 16dBm
			VHT80, MCS0: 21dBm
			VHT80, MCS9: 15dBm

Rx Sensitivity - 2.4GHz	IEEE 802.11g	IEEE 802.11n	IEEE 802.11ac
	6Mbps: -91dBm	HT20/MCS0: -90dBm	HT20/MCS0: -90dBm
	54Mbps: -74dBm	HT20/MCS7: -71dBm	HT20/MCS8: -67dBm
		HT40/MCS0: -87dBm	HT40/MCS0: -87dBm
		HT40/MCS7: -68dBm	HT40/MCS9: -62dBm

Rx Sensitivity - 5GHz	IEEE 802.11a	IEEE 802.11an	IEEE 802.11ac
	6Mbps: -90dBm	HT20/MCS0: -90dBm	VHT20/MCS0: -90dBm
	54Mbps: -74dBm	HT20/MCS7: -70dBm	VHT20/MCS8: -67dBm
		HT40/MCS0: -88dBm	VHT40/MCS0: -88dBm
		HT40/MCS7: -68dBm	VHT40/MCS9: -61dBm
			VHT80/MCS0: -85dBm
			VHT80/MCS9: -58dBm

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

Bandwidth	
IEEE802.11n	HT20 / HT40
IEEE802.11ac	VHT20 / VHT40 / VHT80 / VHT80 / VHT160

Firmware			
Standard Protocols	TCP/IP, IPv4 / IPX / NetBEUI / CAPWAP		
Management Modes	Managed, Standalone		
Network Modes	Bridge, Router		
Operation Modes	Thin AP, Fat AP		
Thin AP Support	AC Detection:	FIT AP Zero Configure	
	DHCP option 43, 60		
	DNS detection		
	Static IP detection		
FAT AP Support	Forwarding Mode (local)	DMZ Host	Firewall
	PPPoE	DHCP Server	System Log
	IP and MAC Address Filtering	Client Connection Limit	Traffic Statistics
System Update	Support for Web-UI upgrade via Ethernet port or wireless network		
	Support TFTP upgrade via Ethernet port		
Management Support	CAPWAP	SNMP MIB (FAP Mode)	SNMP Trap (FAP Mode)
	CLI (SSH / Telnet)	WEB UI Management	Fault detection and alarm

AC-1030 Specifications



WLAN			
SSIDs	2.4GHz - 8 SSID 5.8GHz - 8 SSID		
VAP	2.4GHz -8 VAP 5.8GHz - 8 VAP		
Support for	VLAN	Flow Control	
	Load Balance	WMM	
	Data Rate Selection	Transmit Power Adjustment	
	Time Server	VPN Pass Through	
802.11n Functions	A-MPDU Aggregation	Channel Mode	HT Protect
	A-MSDU Aggregation	Extended Channel Mode	Short GI

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	242.05mm (L) x 247.88mm (D) x 145.45mm (H)
Weight	1.72kg
Enclosure	IP66

Environmental	
Operating Temperature	-30° ~ 60°C
Operating Humidity	10 ~ 95% relative humidity (non-condensing)
Storage Temperature	-40° ~ 70°C
Storage Humidity	15 ~ 95% relative humidity (non-condensing)
Green	RoHs/REACH compliant
Warranty	24 months

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