ALTI-LINK

CPE 5ac

5GHz High capacity PTP/PTMP

Incredible performance

CPE 5ac is 5GHz high-capacity outdoor PTP/PTMP wireless bridge features 500+ Mbps thruoghput - a result of powerful hardware platform with 802.11ac technology based radio and a proprietary data transmission protocol (iPoll). Based on a QCA 9563 CPU (750 MHz), QCA 9882 radio and 64 MBytes of RAM and 16 MBytes of flash memory the, CPE 5-20 ac series devices are an ideal solution for capacity demanding applications. State of the art RF design with great output power and sensitivity parameters improve range and capacity over highest modulation - 256 QAM. The 24V Gigabit Ethernet port (passive PoE) allows utilizing the full capacity of the radio when using in a point-to-point and point-to-multipoint scenario. CPE 5ac devices are backwards compatible with Alti-link devices using iPoll mode, which helps to expand or upgrade existing networks using the latest technologies gradually.

Powerfull OS

The Alti-link OS is a highly functional and easy to use operating system flawless operation of all Alti-link hardware devices and effortless setup for those deploying the networks. High performance (500 Mbps) allows offering more bandwidth together with additional services like VoIP and IPTV using a smart QoS mechanism and muticast traffic enhancements for tripple play services, which essential for all next generation service providers complementing their portfolio with more performance and reliability requiring services. iPoll - proprietary transmission protocol ensures smooth performance with a high number of clients even in a noisy environments.

CPE 5ac 5GHz WiFi Bridge

Specifications

Distance /Model	PTMP mode	PTP mode
CPE 5 ac	Antenna dependent	Antenna dependent

Wireless	
WLAN standard	IEEE 802.11 a/n/ac, iPoll 3
Radio mode	MIMO 2x2
Radio frequency band	5 GHz: 5.150 - 5.850 GHz (FCC 5.150 - 5.250 and 5.725 - 5.850 GHz)
Transmit power	Up to 30 dBm (country dependent)
Channel size	5, 10, 20, 40, 80 MHz
Modulation schemes	802.11 a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)
	802.11 ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK)
Data rates	802.11 ac @ 40 MHz: 400, 360, 300, 270, 240, 180, 120, 90, 60, 30 Mbps
	802.11 ac @ 80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps
Error correction	FEC, LDPC
Duplexing scheme	Time division duplex
Antenna	
Type Integrated	External N-connectors
Gain	Antenna dependent
Wired	
Ethernet port	10/100/1000 Base-T, RJ45
Physical	
Dimensions	Length 150mm (5.9''), width 115mm (4.5''), height 55mm (2.1'')
Weight	450g (1lb)
Mounting	Combination wall / pole mount with quick swap bracket included
Power	
Power supply	24 VDC passive PoE (AC to 24 VDC adapter is included in packing)
Power source	100 – 240V AC
Power consumption	10 W
Environment	
Operating temperature	-40°C (-40 F) ~ +65°C (+149 F)
Working temperature	0 ~ 90 % (non-condensing)
Management	
System monitoring	SNMP v3, Syslog, Web UI, Infinity Controller
Configuration	WebUI, Infinity Controller
Certificate	
Certificate	Meet FCC/IC/CE standards

40MHz	Rate, Mbps	400	360	300	270	240	180	120	90	60	30
	TX power, dBm	26	27	28	29	30	30	30	30	30	30
	RX sensitivity, dBm	-70	-72	-76	-78	-80	-84	-87	-92	-94	-95
80MHz	Rate, Mbps	866	780	650	585	520	390	260	195	130	65
	TX power, dBm	24	25	25	26	27	28	28	29	29	29
	RX sensitivity, dBm	-64	-66	-70	-72	-74	-78	-81	-85	-88	-90

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