

300Mbps Outdoor CPE

Model: AP80Q



Description:

AP80Q is an 300Mbps high power outdoor CPE/AP with omni antenna; It Comply with IEEE 802.11b/g/n standard, adopt Qualcomm chipset, 16MB flash, 64MB SDRAM, 5dBi omni antenna, 1000mW high power, more than 200 meters wifi range, good choice for outdoor wifi signal coverage.

With AP, Router and WiFi Repeater operation mode, it can transmit wifi signal in a certain place for outdoor users, or can bridge the exist wifi signal to extend the range.

AP80Q with ABS waterproof, dustproof and sunscreen shell, temperature adaptive and board protective, suit for outdoor wifi networking projects.

Meantime, it support Power over Ethernet, support passive PoE, easy in setup even no power socket nearby, save much human work and cost.

What's more, AP80Q support multi SSID(up to 4), each SSID comply with IEEE 802.1Q VLAN, then AP80Q work with our AC controller, easy to be configure and setup centrally, what's more, it support Captive Portal Authentication, easy to do ads or ask for login before get internet

Specification:			
Hardware:			
Chipset	Qualcomm QCA9531		
Wireless	802.11N, 2T2R 300M MIMO Technology		
Memory	128MB		
Flash	16MB		
Interface	2 10/100 Mbps RJ45 Port, support 12~24V PoE		
	1 Reset Button		
	1 DC Jack, 12V Power Supply		
Antenna	5dBi omni Antenna		
LED Light	POWER WIFI WAN LAN S1(GPIO9) S2(GPIO14) S3(GPIO11) S4(GPIO12)		
Size	L 257mm , W: 87mm, H: 38 mm		
Power	12V(POE 24V)/1A;110V/220V		
RF Data			
RF Data	802.11b/g/n:		
	2.4~2.4835GHz		
	Korea、Japan、ETSI、FCC		
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM		
	DSSS = DBPSK, DQPSK, CCK		
Data Rate	300 Mbps		
Receive Sensitivity	802.11n(2.4GHz)	802.11g	802.11b
	-90dBm @ MCS0	- 90dBm @ 6Mbps	- 95dBm @ 1Mbps
	-72dBm @ MCS7	- 72dBm @ 54Mbps	- 90dBm @ 11Mbps
	-90dBm @ MCS8		
	-68dBm @ MCS15		
RF Output Power	802.11n(2.4GHz)(± 1.5dBm)	802.11g(± 1.5dBm)	802.11b(±1.5dBm)
	29dBm@ MCS0~2/MCS8~10	29dBm @ 6~24Mbps	29dBm @1~11Mbps
	29dBm @ MCS3/MCS11	28dBm @ 36Mbps	
	28dBm @ MCS4/MCS12	28dBm @ 48Mbps	
	28dBm @ MCS5/MCS13	26dBm @ 54Mbps	
	26dBm @ MCS6/MCS14		
	26dBm @ MCS7/MCS15		

Firmware	
Operation Mode	Gateway/AP/WiFi Repeater
Protocol/Standard	IEEE 802.3(Ethernet)
	IEEE 802.3u(Fast Ethernet)
	IEEE 802.11b/g/n(2.4G WLAN)
Wireless	Auto-Channel selection
	Distance Control (802.1x Ack timeout)
	Multiple SSID (4 SSID)
	BSSID
Security	WEP Encryption-64/128/152 bit
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
	Hide SSID
System Setting	Web-based configuration (HTTP/Telnet)
Firmware upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured
System monitoring	Status in hand , useful statistic and Event log
Log	Supports local logs, logs host, logs file export
Reset	Reset or factory defaults
Backup	Restore settings & configuration of the device to local file
Physical Property	
Temperature	Working: -10°C~55°C
	Storage: -20°C to 70°C
Humidity	5%~95% (typical)
Package:	
AP90Q unit	
24V /1A PoE Adapter	
User Manual	
LAN Cable	

Antenna Data:

Electrical Specifications	
Frequency range (MHz)	2400~2483
Bandwidth (MHz)	83
Gain (dBi)	5
Front-to-back ratio (dB)	≥25
Input Impedance (Ω)	50
Polarization	Vertical
VSWR	≤2
Maximum input power (W)	200