

Skyport ZC-1021H-2-7 2.4Ghz Outdoor CPE

Skyport Series Outdoor Wireless

Today's wireless market, more specifically the outdoor wireless market, continues to demand higher transmit power, greater dependability and advanced feature sets. To that end, Zcomax has released it's latest line of customer premise equipment to utilize the 2.4GHz unlicensed spectrum, the ZC-1021H-2-7.

The ZC-1021H-2-7 is an all-in-one weatherproof unit with high output power and all the essential features for point to point and access point to client connections. The 7dBi antenna compliments the proven Atheros AR2315 based radio or you may choose to use an antenna of your choosing with the external SMA connector, allowing for greater flexibility in implementation. Web based configuration and remote access add ease of deployment while the WPA / WPA2 and Access Control functions add an additional layer of security to your network infrastructure.

Please contact a sales representative for more information on samples, promotional pricing and availability on the Skyport series or any other Zcomax wireless products



ZC-1021H-2-7 Highlights

Key Features

- IEEE 802.11b/g compliant
- Up to 21.5dBm output power
- WPA / WPA2 wireless security
- External antenna connector
- 802.11i
- RoHS compliant
- Adjustable output power
- Chipset: Atheros AR5006 Family
 - SOC: Atheros AR2315
- SMA-RP antenna connector

ZC-1021H-2-7 at a Glance

Chipset	Atheros AR2315
Transmit Power	21.5 dBm
Receive Sensitivity	-94 dBm @ 6 Mbps data rate
Antenna	7 dBi Omni-directional
	SMA-RP Antenna Connector

IEEE	Radio	RoHS	Interface

Radio Specification						
Chipset	Atheros AR2315					
Antenna	7dBi Omni-directional antenna – SMA-RP external antenna connector					
Memory	Flash			SDRAM		
	4MB			16MB		
Modulation	OFDM: BPSK, QPSK, 16-QAM, 64-QAM / DSSS: DBPSK, DQPSK, CCK					
RF Frequency	USA (FCC)			Europe (ETSI)		
	2.412GHz – 2.462GHz (Chan. 1-11)			2.412GHz – 2.472GHz (Chan. 1-13)		
RF Output Power (± 1.5 dB)	802.11b			802.11g		
	Channel 1	Channel 6	Channel 11	Channel 1	Channel 6	Channel 11
	17.5dBm	21.5dBm	19dBm	15dBm	21.5dBm	17.5dBm
Receiver Sensitivity*	802.11g @ PER: 10%			802.11b @ PER: 8%		
	54Mbps: ≤ -74 dBm			11Mbps: ≤ -88 dBm		
	48Mbps: ≤ -76 dBm					
	36Mbps: ≤ -81 dBm			5.5Mbps: ≤ -90 dBm		
	24Mbps: ≤ -83 dBm					
	18Mbps: ≤ -87 dBm			2Mbps: ≤ -92 dBm		
	12Mbps: ≤ -87 dBm					
	9Mbps: ≤ -86 dBm			1Mbps: ≤ -97 dBm		
6Mbps: ≤ -94 dBm						

Firmware Specification			
Function		Detail Of The Function	Default Setting (if applicable)
Standards Compliance		IEEE 802.11b/g	
		10Base-T and 100Base-TX physical layer	
		IEEE 802.3 and 802.3u	
Web Language		English	
Status		Information	
		Statistics for Ethernet and wireless	
		Connection status	
System	Basic Settings	Device Name	APXXXXXX (MAC)
		Country Domain	USA
		Time	
	IP Setting	IP Address (Manual / DHCP)	192.168.1.1
	RADIUS		Disable
Wireless	Basic Wireless Settings	Operation Mode (Base Station / CPE)	Base Station

Function	Detail Of The Function	Default Setting (if applicable)	
Wireless	Basic Wireless Settings	Base Station Mode Functions:	
		SSID	Wireless
		Hide SSID (Enable / Disable)	Disable
		Channel Selection	6
		Link Integration (Enable / Disable)	Disabled
		Number of Client Connections	32
		Wireless Client Isolation (Enable / Disable)	Disable
		Tx Flow Control (1-1687*64kbps)	1687
		CPE Mode Functions	
		SSID	ANY
		MAC Clone (Auto / Manual)	Auto
		CPE Type (Multi-Client / LAN to LAN)	Multi-Client
		Tx Flow control by AP (Enable / Disable)	Disabled
		Wireless Mode (802.11b+g / 802.11b only / 802.11g only)	802.11b+g
Data Rate Selection (Best, 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54Mbps)	Best		
Security Settings	Open System	Open System	
	Shared Key WEP (64, 128, 152-bit)		
	802.1x Only		
	WPA		
	WPA2		
	WPA-PSK TKIP		
Access Control	Allow / Deny STA list and STA Tx Flow Control for Allowed STA	Disabled	
	Advanced Settings	Radio (On / Off)	On
		Space In Meters (0-36000)	10000
		WMM Mode (Enable / Disable)	Disabled
		Output Power Control (Full, 50%, 25%, 12.5%, Min)	Full
		Fragmentation Length (256-2346)	2346
		Beacon Interval (20-10000ms)	100
		RTS / CTS Threshold (0-2346)	2346
STIM Interval (1-255)	255		
Management	Password	Change Password	
	Remote Management	Embedded Web Configuration Management	Enabled
		Telnet Support	Enabled
		SNMP Management	Enabled
	Firmware	TFTP / Web for firmware upload	

Function		Detail Of The Function	Default Setting (if applicable)
Management	Configuration	Web backup and restore configuration	
		Reset to factory default	
		Reboot	
Tools	Event Logs		
	Site Survey		

Physical Specification	
Dimensions	220mm(L) x 122mm(W) x 67mm(H)
Weight	≤ 651g

Environmental Specifications	
Operating Temperature	-20°C ~ 70°C
Operating Humidity	20-95% RH
Storage Temperature	-30°C ~ 60°C
Storage Humidity	10-90% RH
Green	RoHS Compliant

Warranty	
Warranty Period	1 Year limited warranty from the date of purchase
Warranty Plan	Zcomax Repair / Replacement Program

*Does not include antenna gain