ATS WIRELESS SOLUTIONS

ATSW-1000e-11AC

Description:

ATSW-1000e-11AC is an Atheros Solution high power industrial use Outdoor CPE with the next generation 802.11ac Wi-Fi standard, combined 1200Mbps Wi-Fi speed over 2.4GHz(300Mbps) and 5GHz(900Mbps), equipped Gigabit WAN port,

. ABS + Metal case, waterproof, dust proof and sunscreen shell, temperature adaptive and board protective

ATSW-1000e-11AC with ABS waterproof, dust proof and sunscreen shell, avoid the damage from dust, thunderstorm weather. Meantime, it adaptive to various environments, the working temperature can be normal at -40℃ to 70℃. Suit for any country.

Access Controller System & Cloud Management System

Work with WLAN controller in wireless AP operation mode, easily access advanced network settings through PC, like AP status monitor, change IP address, ESSID, Channel, Password, upgrade firmware, backup and restore. Then work with Cloud Management System, easy to do central and remote management, advertisement and multi authentication make this device more professional in WiFi Projects

Website : www.atswireless.in

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HARDWARE

Atheros Chipset

802.11ac/b/g/n, MIMO Technology

RAM :128MB DDR2 RAM

Flash :   16MB

1 * 10/100 /1000Mbps RJ45 WAN Port

1 Reset Button

Led: Lan, WLan,WAN, signal Strength

Antenna : 4 SMA Connector

Power : 48V PoE<30W

L :410 mm , W: 20.5 mm , H: 105 mm

Working: - C0~40 ℃(32 ℉~104℉)

Storage- 40~70 ℃ (-40 ℉~158℉)

Weight : 4KGS

FIRMWARE:	
Operation Mode	Wireless AP, Gateway, WISP, WiFi Repeater
Standard	802.11ac/b/g/n, MIMO Technology
SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)
Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)
Protocols	IPv4
Security	WEP Encryption-64/128 bit
	WPA/WPA2
	WPA-PSK/ WPA2-PSK encryption

RF Data	
RF Data	2.4G:802.11b/g/n: 5GHz：802.11a/n/ac
	2400～2500 / 5725～5850
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM
	DSSS = DBPSK, DQPSK, CCK

Frequency	Mode	Data Rate	Standard	Result(dBm)			RF Power (±1.0dBm)
				CH-1	CH-6	CH-11	
2.4 Ghz	11b	1Mbps	≤-83	-99	-99	-99	29dBm
		11Mbps	≤-76	-92	-92	-92	
	11g	6Mbps	≤-85	-95	-95	-95	29dBm
		54Mbps	≤-68	-82	-82	-82	27dBm
	11n HT20	MCS0/8	≤-85	-95	-95	-95	28dBm
		MCS7/15	≤-67	-79	-77	-78	26dBm
	11n HT40	MSC0/8	≤-82	-93	-93	-93	28dBm
		MCS7/15	≤-64	-75	-75	-75	26dBm

5GHZ							
Frequency	**Mode**	**Data Rate**	**Standard**	**Result(dBm)**			**RF Power (±1.0dBm)**
				CH-36	**CH-100**	**CH-149**	
5 Ghz		6Mbps	≤-85dBm	-92	-92	-92	26dBm
	11a	54Mbps	≤ -68dBm	-75	-75	-75	23dBm
	11n HT20	MCS0/8	≤ -85dBm	-91	-91	-91	26dBm
		MCS7/15	≤ -64dBm	-72	-72	-72	23dBm
				CH-38	**CH-110**	**CH-151**	
	11n HT40	MCS0/8	≤ -82dBm	-88	-88	-88	26dBm
		MCS7/15	≤ -61dBm	-70	-70	-70	23dBm
				CH36	**CH100**	**CH149**	
	11ac HT20	MCS0	≤-82	-92	-92	-92	26dBm
		MCS8	≤-60	-70	-70	-69	23dBm
				CH38	**CH110**	**CH151**	
	11ac HT40	MCS0	≤-79	-90	-89	-89	25dBm
		MCS9	≤-60	-66	-65	-65	22dBm
				CH42	**CH106**	**CH155**	
	11ac HT80	MCS0	≤-79	-87	-87	-87	24dBm
		MCS9	≤-54	-62	-61	-61	21dBm