

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°C to 70°C. 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 : <u>www.atswireless.in</u>



ATSW-1000e-11AC ATS WIRELESS SOLUTIONS

SPECIFICATION

HARDWAREWireless AP, Gateway, WISP, WiFi RepeaterHARDWAREStandard802.11ac/b/g/n, MIMO TechnologyAtheros ChipsetSSIDMultiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)B02.11ac/b/g/n, MIMO TechnologyDos, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding802.11ac/b/g/n, MIMO TechnologyDynamic IP/Static IP/PPOE/L.2TP(Dual Access)802.11ac/b/g/n, MIMO TechnologyProtocols802.11ac/b/g/n, MIMO TechnologyIPv4802.11ac/b/g/n, MIMO TechnologyWAN TypeProtocolsIPv4Flash : 16MBWPA/WPA211 10/100 /1000/Mpps RJ45 WAN PotWPA/SK/ WPA2-PSK encryptionFlash : 16MBWPA/WPA211 10/100 /1000/Mpps RJ45 WAN PotWPA-PSK/ WPA2-PSK encryptionLed: Lan, WLan, WAN, signal Stength Antenna : 4 SMA ConnectorRF DataPower : 48V PDE <s0w< td="">2400-2500 / 5725~5850L:410 mm , W: 20.5 mm, H: 105 mmOFDM = BPSK, QPSK, 16-QAM, 64-QAMPower : 48V PDE<s0w< td="">ErequencyMode RateL:410 mm , W: 20.5 mm, H: 105 mmOFDM = BPSK, DQPSK, CCKFrequencyMode RateCH-1CH-6CH-11 (£1.0Bm)2.4 Ghz11b 1Mbps1Mbpss-83-99-9929dBm2.4 Ghz11b 1Mbps1Mbpss-66-92-92-92-922.4 Ghz11b 11m H20MCS0/8s-85-95-9529dBm110MCS0/8s-86-92-9229dBm-9529dBm</s0w<></s0w<>		FIRMWARE:									
Standard802.11ac/b/g/n, MIMO TechnologySSIDMultiple SSID (4 SSID for 2.4G, 4 SSID for 2.4G, 4 SSID for 5.8G)Atheros Chipset802.11ac/b/g/n, MIMO TechnologyRAM. 122MB DDR2 RAMDynamic IP/Static IP/PPPE/L2TP(Dual Access) /PPTP(Dual Access)Flash : 16MBI* 10*100 /1000Mbps RJ451* 10*100 /1000Mbps RJ45WPA-PSK/ WPA2-PSK encryptionVAN PortVPA-PSK/ WPA2-PSK encryption1 Reset ButtonELed: Lan, WLan, WAN, signal Strength24G:802.11b/g/n: 5GH2: 802.11a/n/acAntenna : 4 SMA ConnectorOFDM = BPSK, QPSK, 16-QAM, 64-QAMPower: 48V POE<30WOFDM = BPSK, QPSK, 16-QAM, 64-QAML:410 mm , W: 20.5 mm, H: 105 mmOFDM = BPSK, QPSK, 16-QAM, 64-QAMPower: 48V POE<30WI1bL:410 mm , W: 20.5 mm, H: 105 mm11bWorking: - CO-40 °C(32) F = 104 °F)11bStorage-40-70 °C (40) F = 158 °F)11bModulation11bModulation11bMotics is - Set in the provide of the provide		-									
HARDWARE Firewall DoS, SPI Firewall, IP Address Filter/MAC Address Fi			802.11ac/b/g/n, MIMO Technology								
HARDWARE IP and MAC Address Binding Atheros Chipset Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access) 802.11ac/b/g/n, MIMO Technology Protocols IP v4 Security WEP Encryption-64/128 bit Security WPA/WPA2 Security WPA/WPA2 WPA/WPA2 WAN Port WPA/WPA2 KF Data KF Data Led: Lan, WLan, WAN, signal Strength QAR Connector KF Data CH-1 KF Data Prover: 48V PoE300W L:410 mm , W: 20.5 mm , H: 105 mm OFDM = BPSK, QPSK, Ic-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK Frequency Mode Data Standar CH-1 KF Power (£1.0dBm) Yorking: - CO-40 °C(32) Fr-10a °C 110 bps ≤-76 92 -92 -92 29dBm Yorking: - CO-40 °C (240 F-158F) 111 bps ≤-76 92 -92 -92 29dBm Weight : 4 KGS 111 HT20 MCS0/8 ≤-85 -95 -95 29dBm		SSID									
Atheros Chipset Number of the second se	HARDWARE	Firewall DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter									
Normalian Normalian <t< th=""><th>Atheros Chipset</th><th>WAN Type</th><th colspan="9">Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)</th></t<>	Atheros Chipset	WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)								
RAM: 128MB DDR2 RAMSecurityWEP Encryption-64/128 bitFlash : 16MBWPA/WPA21 * 10/100 /1000Mbps RJ45WPA/WPA2WAN PortWPA/PSK/ WPA2-PSK encryption1 Reset Button24G:802.11b/g/n: 5GHz: 802.11a/n/acLed: Lan, WLan,WAN, signal Strength2.4G:802.11b/g/n: 5GHz: 802.11a/n/acAntenna : 4 SMA ConnectorOFDM = BPSK,QPSK, IC-QAM, 64-QAFPower : 48V PoE<30WOFDM = BPSK,QPSK, IC-QAM, 64-QAFL:410 mm, W: 20.5 mm, H: 105 mmOFDM = BPSK,QPSK, IC-QAM, 64-QAFVorking: - C0-40 °C(32 F~104°F)Modu lationYer-104°F)ModeData RateStandar dStorage: 40-70 °C (-40 F~158°F)11m Mps5-83999999Weight : 4KGS11n HT206Mbps5-85959529dBm11n HT20MCS0/85-6682828220dBm11n HT20MCS0/85-6695959520dBm		Protocols	IPv4								
Flash : 16MB Image: flash : 16MB Mail is the flash : 10/100 /1000Mbps RJ45 WPA-PSK/ WPA2-PSK encryption WAN Port WPA-PSK/ WPA2-PSK encryption WFA-PSK/ WPA2-PSK encryption 1 Reset Button Edd: Lan, WLan, WAN, signal Strength 2400~2500 / 5725~5850 Antenna : 4 SMA Connector OFDM = BPSK, QPSK, 16-QAM, 64-QAM Power : 48V PoE<30W OFDM = BPSK, QPSK, CCK L :410 mm , W: 20.5 mm, H: 105 mm Mode Data Rate Standar d CH-1 CH-6 CH-11	RAM :128MB DDR2 RAM	Security	WEP Encry	ption-64/128	bit						
WAN Port Inferior Network Present (Network)	Flash : 16MB		WPA/WPA2								
I Reset Button RF Data Led: Lan, WLan, WAN, signal Strength 2.4G:802.11b/g/n: 5GHz: 802.11a/n/ac Antenna : 4 SMA Connector OFDM = BPSK, QPSK, 16-QAM, 64-QAM Power : 48V PoE<30W	1 * 10/100 /1000Mbps RJ45		WPA-PSK/	WPA2-PSK e	encryption						
Kitcher Lunn Kitcher Lunn KF Data $2.4G:802.11b/g/n: 5GHz: 802.11a/n/ac 2400 \sim 2500 / 5725 \sim 5850 Antenna: 4 SMA Connector Power: 48V PoE<30W OFDM = BPSK,QPSK, 16-QAM, 64-QAM 2400 \sim 2500 / 5725 \sim 5850 Modulation OFDM = BPSK,QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK Nover 1/2 (1100) Vorking: - C0~40 °C(32 Frequency Mode DataRate Standard CH-1 CH-6 CH-11 2.4 Ghz 11b 1Mbps ≤-83 -99 -99 -99 29dBm Storage-40~70 °C (-40°F~158°F) 11g 6Mbps ≤-85 -95 -95 29dBm Weight : 4KGS 11n HT20 MCS0/8 ≤-85 -95 -95 29dBm $	WAN Port										
Image: Signal Strength Second Strength Antenna: 4 SMA Connector OFDM = BPSK, QPSK, 16-QAM, 64-QAM Power: 48V PoE<30W	1 Reset Button		RF Data								
Antenna : 4 SMA Connector Modulation OFDM = BPSK, QPSK, 16-QAM, 64-QAM Power : 48V PoE<30W	Led: Lan, WLan,WAN,	2400~2500 / 5725~5850									
ModulationOFDM = BPSK, QPSK, 16-QAM, 64-QAMPower : 48V PoE<30W	signal Strength										
Power: 48V PoE<30W	Antenna : 4 SMA Connector										
L :410 mm , W: 20.5 mm , L :40 mm , Rate d CH-1 CH-6 CH-11 (±1.0dBm) Working: - C0~40 °C(32 °F~104°F) C0~40 °C(32 11b 1Mbps ≤-83 -99 -99 -99 29dBm Storage- 40~70 °C (-40 °F~158°F) 11g 6Mbps ≤-76 -92 -92 -92 -92 29dBm Weight : 4KGS 11g 6Mbps ≤-85 -95 -95 29dBm 11n HT20 MCS0/8 ≤-85 -95 -95 29dBm MCS7/15 ≤-67 -79 -77 -78 26dBm	Power: 48V PoE<30W	Wiouulation									
L :410 mm , W: 20.5 mm , L :40 mm , W: 20.5 mm , L :40 mm , W: 20.5 mm , L :40 mm , W: 20.5 mm , M = 100 mm , Rate d CH-1 CH-6 CH-11 (±1.0dBm) Working: - C0~40 °C(32 °F~104°F) 54 Ghz 11b 1Mbps ≤-83 -99 -99 -99 29dBm Storage-40~70 °C (-40 °F) °F~158°F) 11g 6Mbps ≤-76 -92 -92 -92 -92 29dBm Weight : 4KGS 11g 6Mbps ≤-85 -95 -95 29dBm 29dBm 11n HT20 MCS0/8 ≤-67 -95 -95 28dBm MCS7/15 ≤-67 -79 -77 -78 26dBm		Frequency	ency Mode Data Standar Result(dBm) RF P								
Working: - C0~40 °C(32 °F~104°F) 2.4 Ghz 11b 1Mbps ≤-83 -99 -99 -99 29dBm Storage- 40~70 °C (-40 °F~158°F) 11g 6Mbps ≤-76 -92 -92 -92 29dBm Weight : 4KGS 11g 6Mbps ≤-85 -95 -95 29dBm MCS0/8 ≤-85 -95 -95 29dBm MCS7/15 ≤-67 -79 -77 -78 26dBm		requency	Wiouc				1	-			
°F~104°F) Storage-40~70 °C (-40 °F~158°F) 11g 6Mbps ≤-85 -95 -95 29dBm Weight : 4KGS 54Mbps ≤-68 -82 -82 -82 27dBm MCS0/8 ≤-85 -95 -95 -95 28dBm MCS7/15 ≤-67 -79 -77 -78 26dBm		2.4 Ghz	11b	1Mbps	≤-83	-99	-99	-99	29dBm		
°F~158°F) Weight : 4KGS 54Mbps ≤-68 -82 -82 -82 27dBm 11n HT20 MCS0/8 ≤-85 -95 -95 28dBm MCS7/15 ≤-67 -79 -77 -78 26dBm	· · ·			11Mbps	≤-76	-92	-92	-92			
Weight : 4KGS 54Mbps 54Mbps 568 -82 -82 27dBm 11n HT20 MCS0/8 ≤-85 -95 -95 28dBm MCS7/15 ≤-67 -79 -77 -78 26dBm			11g	6Mbps	≤-85	-95	-95	-95	29dBm		
11n HT20 MCS0/8 ≤-85 -95 -95 -95 28dBm MCS7/15 ≤-67 -79 -77 -78 26dBm				E 414	1.00	0.0	00		07.10		
MCS7/15 ≤-67 -79 -77 -78 26dBm	Weight : 4KGS										
			TITI HT20								
11n HT40 MSC0/8 ≤-82 -93 -93 -93 28dBm			11n HT40	MSC0/8	≤-82	-93	-93	-93	28dBm		
MCS7/15 ≤-64 -75 -75 26dBm				MCS7/15	≤-64	-75	-75	-75	26dBm		



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DEVICE DATASHEET

FrequencyModeData RateStandard $\frac{1}{CH-36}$ $CH-100$ $CH-149$ RF Power $(±1.0dBm)$ 5 Ghz $_{6Mbps}$ $\leq -85dBm$ -92 -92 -92 -92 $26dBm$ 11a $54Mbps$ $\leq -68dBm$ -75 -75 -75 $23dBm$ 11a $54Mbps$ $\leq -68dBm$ -75 -75 -75 $23dBm$ 11n $MCS0/8$ $\leq -85dBm$ -91 -91 -91 $26dBm$ 11n $MCS0/8$ $\leq -85dBm$ -91 -91 -91 $26dBm$ $MCS7/15$ $\leq -64dBm$ -72 -72 -72 $23dBm$ $MCS7/15$ $\leq -64dBm$ -72 -72 -72 $23dBm$ $11n$ $MCS0/8$ $\leq -82dBm$ -88 -88 -88 $26dBm$ $11n$ $MCS7/15$ $\leq -61dBm$ -70 -70 $23dBm$ $11n$ $MCS0$ ≤ -82 -92 -92 -92 $26dBm$ $11n$ $MCS0$ $\leq -61dBm$ -70 -70 -70 $23dBm$ $11n$ $MCS0$ ≤ -61 -70 -92 -92 $26dBm$ $11n$ $MCS0$ ≤ -60 -70 -70 -70 -70 -70 $11n$ $MCS0$ $\leq -610Bm$ -70	5GHZ									
5 Ghz 6Mbps $\leq -85dBm$ -92 -92 -92 26dBm 11a 54Mbps $\leq -68dBm$ -75 -75 23dBm 11n MCS0/8 $\leq -85dBm$ -91 91 91 26dBm 11n MCS0/8 $\leq -85dBm$ -91 91 26dBm 11n MCS0/8 $\leq -85dBm$ -91 91 26dBm MCS715 $\leq -64dBm$ -72 -72 23dBm MCS0/8 $\leq -82dBm$ -88 -88 26dBm 11n MCS0/8 $\leq -82dBm$ -70 -70 23dBm 11n MCS0/8 $\leq -82dBm$ -88 -88 26dBm 11n MCS0/8 $\leq -82dBm$ -70 -70 23dBm 11n MCS0 $\leq -$	Frequency	Mode		Standard						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			Kate		CH-36	CH-100	CH-149			
$ \frac{11n}{HT20} MCS0/8 \leq -85dBm -91 -91 -91 -91 26dBm \\ MCS7/15 \leq -64dBm -72 -72 -72 23dBm \\ \hline MCS7/15 \leq -64dBm -72 -72 -72 23dBm \\ \hline HT20 HCS0/8 \leq -82dBm -88 -88 -88 -88 26dBm \\ \hline HT40 MCS7/15 \leq -61dBm -70 -70 -70 23dBm \\ \hline HT40 HCS7/15 \leq -61dBm -70 -70 -70 23dBm \\ \hline HT40 HCS0/8 \leq -82dBm -70 -70 -70 23dBm \\ \hline HT40 HCS7/15 \leq -61dBm -70 -70 -70 23dBm \\ \hline HT40 HCS0/8 \leq -82dBm -70 -70 -70 23dBm \\ \hline HT40 HCS0/8 \leq -82dBm -70 -70 -70 -70 23dBm \\ \hline HT40 HCS0/8 \leq -82dBm -70 $	5 Ghz		6Mbps	≤-85dBm	-92	-92	-92	26dBm		
$ \frac{11n}{HT20} MCS0/8 \leq \cdot85dBm -91 -91 -91 -91 26dBm \\ MCS7/15 \leq \cdot64dBm -72 -72 -72 23dBm \\ \hline MCS7/15 \leq \cdot64dBm -72 -72 -72 23dBm \\ \hline HT20 HCS0/8 \leq \cdot82dBm -88 -88 -88 -88 26dBm \\ \hline HT40 MCS7/15 \leq \cdot61dBm -70 -70 -70 23dBm \\ \hline HT40 HT40 HT40 HCS7/15 \leq \cdot61dBm -70 -70 -70 23dBm \\ \hline HT40 HT40 HT40 HCS0/8 \leq \cdot82 -92 -92 -92 -92 26dBm \\ \hline HT40 HT40 HCS0 \leq \cdot82 -92 -92 -92 -92 26dBm \\ \hline HT40 HT40 HCS0 HT40 HCS0 -70$		11a	54Mbps	< -68dBm	-75	-75	-75	23dBm		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		11a	3410005		-75	-75	-75	230011		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			MCS0/8	≤ -85dBm	-91	-91	-91	26dBm		
$ \begin{array}{ c c c c c } \hline & I & I & I & I & I & I & I & I & I &$							ĺ			
$ \begin{array}{ c c c c c c } \hline I & I & I & I & I & I & I & I & I & I$			1007/10		12	16	12	ZOUDIII		
$ \begin{array}{ c c c c c c } \hline Interpretation & I$					CH-38	CH-110	CH-151			
11n HT40 MCS7/15 ≤ -61dBm -70 -70 -70 23dBm Image: Image					CH 30					
HT40 MCS7/15 ≤ -61dBm -70 -70 -70 23dBm Image: Image of the state of			MCS0/8	≤ -82dBm	-88	-88	-88	26dBm		
MCS0 ≤-82 -92 -92 26dBm			MCS7/15	≤ -61dBm	-70	-70	-70	23dBm		
MCS0 ≤-82 -92 -92 26dBm										
11ac 11ac					CH36	CH100	CH149			
			MCS0	≤-82	-92	-92	-92	26dBm		
			MCS8	≤-60	-70	-70	-69	23dBm		
CH38 CH110 CH151					CH38	CH110	CH151			
11ac MCS0 ≤-79 -90 -89 -89 25dBm		11ac	MCS0	≤-79	-90	-89	-89	25dBm		
HT40 MCS9 ≤-60 -66 -65 -65 22dBm			MCS9	≤-60	-66	-65	-65	22dBm		
CH42 CH106 CH155					CH42	CH106	CH155			
MCS0 ≤-79 -87 -87 -87 24dBm			MCS0	≤-79	-87	-87	-87	24dBm		
11ac Instant Instant <thinstant< th=""> <thinstant< th=""> <thins< th=""><th></th><th></th><th></th><th>≤-54</th><th></th><th></th><th></th><th></th></thins<></thinstant<></thinstant<>				≤-54						



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