



Introduction

The Atlona **AT-USB-WIFI-1** is a replacement accessory for the AT-OME-MS52W and AT-UHD-SW-510W multi-format matrix switchers, and the AT-WAVE-101 Wireless Presentation Platform. The USB-WIFI-1 provides a wireless access point for the wireless AV input of these switchers.

Two USB-WIFI-1 modules are needed to enable all built-in wireless capabilities of the OME-MS52W or SW-510W.

Features

- Replacement accessory for the AT-OME-MS52W and AT-UHD-SW-510W matrix switchers, and the AT-WAVE-101 Wireless Presentation Platform.
- Wi-Fi® 5 (IEEE 802.11ac) compliant and backward-compatible with Wi-Fi 4 (IEEE 802.11n) and older standards.
- Two USB-WIFI-1 modules required to enable all wireless capabilities of the WAVE-101, OME-MS52W, and SW-510W.

Specifications

USB	
Signal	2.0

Protocols	
Wi-Fi	2.4 GHz: IEEE 802.11b, 802.11g, 802.11n 5 GHz: IEEE 802.11ac (Draft), 802.11a, 802.11n
Security	WEP 64/128-bit, WPA, WPA2, 802.1X

Wi-Fi	Frequency Range/Band	Power Output	Number of Channel/s	Channel Spacing	Modulation Type
WLAN (Internal)	2412 ~ 2483.5MHz	802.11b (11Mbps, CCK): 18 dBm ± 1.5 dBm	11: (Ch. 1-11) – USA 13: (Ch. 1-13) – Europe 14: (Ch. 1-14) – Japan	5 MHz	CCK, DQPSK, DBPSK
		802.11g (6, 9, 18, 24Mbps, OFDM): 18 dBm ± 1.5 dBm			64QAM, 16QAM, QPSK, BPSK
		802.11g (36Mbps, OFDM): 17 dBm ± 1.5 dBm			BPSK, QPSK, 16QAM, 64QAM
		802.11g (48Mbps, OFDM): 16 dBm ± 1.5 dBm			
		802.11g (54Mbps, OFDM): 15 dBm ± 1.5 dBm			
		802.11n (HT20, MCS0): 18 dBm ± 1.5 dBm			
		802.11n (HT20, MCS7): 15 dBm ± 1.5 dBm			
		802.11n (HT40, MCS0): 17 dBm ± 1.5 dBm			
	802.11n (HT40, MCS7): 15 dBm ± 1.5 dBm	9/2	20 MHz	64QAM, 16QAM, QPSK, BPSK BPSK, QPSK, 16QAM, 64QAM 256QAM, 64QAM, 16QAM, QPSK, BPSK	
	802.11a (6, 24, 36Mbps): 13 dBm ± 1.5 dBm				
	802.11a (48Mbps): 12 dBm ± 1.5 dBm				
	802.11a (54Mbps): 10.5 dBm ± 1.5 dBm				
	802.11n (HT20, MCS0): 13 dBm ± 1.5 dBm				
	802.11n (HT20, MCS7): 10 dBm ± 1.5 dBm				
	802.11n (HT40, MCS0): 12 dBm ± 1.5 dBm				
	802.11n (HT40, MCS7): 10 dBm ± 1.5 dBm				
	802.11ac (HT20, MCS7): 10 dBm ± 1.5 dBm				
	802.11ac (HT20, MCS8): 9 dBm ± 1.5 dBm				
	802.11ac (HT40, MCS8): 8 dBm ± 1.5 dBm				
	802.11ac (HT40, MCS9): 7 dBm ± 1.5 dBm				
802.11ac (HT80, MCS8): 7 dBm ± 1.5 dBm					
802.11ac (HT80, MCS9): 6 dBm ± 1.5 dBm					
Bluetooth	2402 ~ 2480MHz	4.5 ~ 11.5 dBm (BR), 1.5 ~ 8.5 dBm (EDR)	79	1 MHz	GFSK, π/4-DQPSK, 8-DPSK
Bluetooth LE	2402 ~ 2480MHz	-1 ~ 6 dBm	40	2 MHz	GFSK, π/4-DQPSK, 8-DPSK
WLAN (USB Dongle)	2400 – 2483.5MHz	11b (11Mbps): 16dBm±1.5dBm	13/9	5 MHz	DSSS/OFDM
		11g (54Mbps): 14dBm±1.5dBm			
		11n (20MHz, MCS7): 14dBm±1.5dBm			
		11n (40MHz, MCS7): 14dBm±1.5dBm			
	5150 – 5825MHz	11a (54Mbps): 12dBm±1.5dBm	9/2	20MHz	OFDM / QPSK / 16QAM / 64QAM / 256QAM
		11n (20MHz, MCS7): 12dBm±1.5dBm			
		11n (40MHz, MCS7): 12dBm±1.5dBm			
		11ac (80MHz, MCS9): 10dBm±1.5dBm			

Connectors	
USB	1 - USB 2.0 Type A

Indicators and controls		
USB	1 - Link/Activity LED	
Protection	1 - Hardware WPS button	
Temperature	Fahrenheit	Celsius
Operating	+32° to +104°	0 to +60
Operating Humidity (RH)	90%, maximum, non-condensing	
Dimensions (H x W x D)	Inches	Millimeters
Unit	1.57 x 0.63 x 0.28	40 x 16 x 7
Weight	Pounds	Kilograms
Device	0.007	0.003
Certification		
Device	CE, FCC	

Compatible Products

Compatible Products	
AT-WAVE-101	Wireless Presentation Platform
AT-OME-MS52W	5x2 Matrix Switcher with USB and Wireless Link
AT-OME-MS42	4x2 Matrix Switcher with USB

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