

Allion Wireless Equipment Specifications

AWE Spec. Sheet	Spec.	Note
Solution Composition	APUT Box	I/O Type Customizable
	STA Box	
	Switch Box	
	Alien Box	
	1x1 Client Box	
Support Frequency Range	WiFi 2.4GHz Band / WiFi 5GHz Band	
Solution Dimension	1(W) x 0.8(D) x 2(H) m	
IO Filter(APUT Box)	SMA x 2 Wave Guide(Inner Diameter:4.5cm) x 1	
Power Filter(APUT Box)	x 1 250VAC 500VDC 15A x 1	
Overall Pathloss	Meet TR398 i2C1 Pathloss Requirement	
Turntable Angle Resolution	1 Degree	
Turntable Max. Loading Weight	< 10kg	
Turntable Rotation Speed	1 rpm	
Turntable Control Tool	Allion Development	
Attenuation Range and Resolution	0dB ~ 95dB, 0.25dB/ Step	
Attenuator Support Frequency Range	WiFi 2.4GHz / 5GHz/ 6GHz Band	
Attenuator Ports	8	
Antenna Quantity in APUT Box	8(Test Antenna)+2(Sniffer x1, Interference Antenna x1)	
STA Capability		
Antenna Quantity	2x2	
Support Frequency Band	2.4/5/6GHz	
Support WiFi Standard	802.11a/b/g/n/ac/ax	
STA Quanity	32	
Allion Wireless Equipment Solution Target Scenario		
TR-398 i2C1		

APUT Box	Spec.	Note
Support Frequency Range	WiFi 2.4GHz Band / WiFi 5GHz Band	I/O Type Customizable
Box Isolation	~100dB @ 2.4/5GHz, ~ 95dB @ 6GHz	
Box Dimension	1(W)x0.8(D)x0.65(H) m	
Max. APUT Size	0.45(W)x0.45(D)x0.4(H) m	
I/O Filter Type	SMA x 2 Wave Guide(Inner Diameter:4.5cm) x 1	
Power Filter	x 1 250VAC 500VDC 15A x 1	
STA Box	Spec.	Note
Support Frequency Range	WiFi 2.4GHz / 5GHz/ 6GHz Band	I/O Type Customizable
Box Isolation	~100dB @ 2.4/5GHz, ~ 95dB @ 6GHz	
Box Dimension	1(W)x0.8(D)x0.65(H) m	
Power Filter	x 2 250VAC 500VDC 32A x 2	
Alien Box	Spec.	Note
Support Frequency Range	WiFi 2.4GHz / 5GHz/ 6GHz Band	I/O Type Customizable
Box Isolation	~100dB @ 2.4/5GHz, ~ 95dB @ 6GHz	
Box Dimension	0.6(W)x0.8(D)x0.375(H) m	
Max. Alien AP Size	0.35(W)x0.6(D)x0.3(H) m	
IO Filter	Wave Guide(Inner Diameter:4.5cm) x 1	
Power Filter	x 1 250VAC 500VDC 15A x 1	
1x1 Client Box	Spec.	Note
Support Frequency Range	WiFi 2.4GHz / 5GHz/ 6GHz Band	I/O Type Customizable
Box Isolation	~100dB @ 2.4/5GHz, ~ 95dB @ 6GHz	
Box Dimension	0.37(W)x0.35(D)x0.375(H) m	
Power Filter	x 1 250VAC 500VDC 15A x 1	

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