





PRODUCT LINE MATRIX: MESH ROUTER

ARUBA AIRMESH

Model		MSR4000	MSR2000	MST200	MSR1200
Form Factor					
Applications	Description	The MSR4000 is a high performance 802.11N enabled mesh router delivering performance similar to wireline at up to 300 Mbps per radio. The MSR4000 features four 2x2 MIMO dual-band 2.4/5 GHz radios. The MSR4000 is built to provide years of trouble-free operation in a variety of applications. The MSR4000 leverages Aruba's Adaptive Wireless Routing™ (AWR™) technology, which automatically optimizes traffic routes between multiple wireless mesh routers.	The MSR2000 is a high performance 802.11N enabled mesh router delivering performance similar to wireline at up to 300 Mbps per radio. The MSR2000 features two 2x2 MIMO dual-band 2.4/5 GHz radios. The MSR2000 is built to provide years of trouble-free operation in a variety of applications. The MSR2000 leverages Aruba's Adaptive Wireless Routing™ (AWR™) technology, which automatically optimizes traffic routes between multiple wireless mesh routers.	The MST200 is a high performance 802.11N enabled mesh router delivering performance similar to wireline at up to 300 Mbps per radio. The MST200 features a single 5-GHz 2x2 MIMO radio with a built in antenna. The MST200 is built to provide years of trouble-free operation in a variety of applications. The MST200 leverages Aruba's Adaptive Wireless Routing™ (AWR™) technology, which automatically optimizes traffic routes between multiple wireless mesh routers.	The Aruba MSR1200 wireless mesh router delivers high performance to indoor environments where wired connectivity is impractical or unavailable. The MSR1200 consists of two independent 802.11a/b/g/n radios for flexible indoor wireless mesh deployments using 2.4-GHz and 5-GHz bands. The MSR1200 leverages Aruba's Adaptive Wireless Routing™ (AWR™) technology, which automatically optimizes traffic routes between multiple wireless mesh routers.
	WiFi Access	Yes	Yes	Yes	Yes
	Mesh	Yes	Yes	No	Yes
	Point-to-Point	Yes	Yes	Yes	Yes
	Point-to-Multipoint	Yes	Yes	Yes	Yes
	Portal	Yes	Yes	Yes	Yes
Number of Radios		Quad Radio	Dual Radio	Single Radio	Dual Radio
Operating Frequencies		2.4, 5, 4.9GHz	2.4, 5, 4.9GHz	5 GHz	2.4, 5 GHz
DFS Support		Yes (EU and Japan)	Yes (EU and Japan)	Yes (EU and Japan)	Yes (EU and Japan)
RF Management		RF interference detection and avoidance			
Antennas		Eight N-type female arranged in four pairs to support 802.11N 2x2 MIMO operation	Four N-type female arranged in two pairs to support 802.11N 2x2 MIMO operation	Integrated directional antenna providing 802.11N 2x2 MIMO operation over a 60° sector	Four RP-SMA (pin and exterior thread) arranged in two pairs to support 802.11N 2x2 MIMO operation
Network Interfaces		1x100/1000BASE-T Ethernet (RJ-45), Auto-sensing link speed and MDI/MDX	1x100/1000BASE-T Ethernet (RJ-45), Auto-sensing link speed and MDI/MDX	1x100/1000BASE-T Ethernet (RJ-45), Auto-sensing link speed and MDI/MDX	1x100/1000BASE-T Ethernet (RJ-45), Auto-sensing link speed and MDI/MDX
Other Interfaces		USB console interface	USB console interface	USB console interface	USB console interface
Power over Ethernet (PoE)		48 Volt, 4 Pair 803.3at (60W)	48 Volt, standard 803.3at	48 Volt, standard 803.3af	48 Volt, standard 803.3af
AC Power Interface		100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz
DC Power Interfaces		Not Supported	12-48 volt DC from external DC power source	Not Supported	12-48 volt DC from external DC power source
Power Consumption		36 watts (maximum)	15 watts (maximum)	12.5 watts (maximum)	10 watts (maximum)
Environmental	Operating Temperature	-40° C to +55° C (-40° F to +131° F) AC -30° C to +60° C (-22° F to +140° F) PoE	-40° C to +55° C (-40° F to +131° F) AC/DC -30° C to +60° C (-22° F to +140° F) PoE	-40 to +60°C (-40 to +140°F) AC -30° C to +60°C (-22° F to +140° F) PoE	0° C to 50° C (32° F to 122° F)
Product Warranty		1 year parts and labor	1 year parts and labor	1 year parts and labor	1 year parts and labor

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