

ARISTA

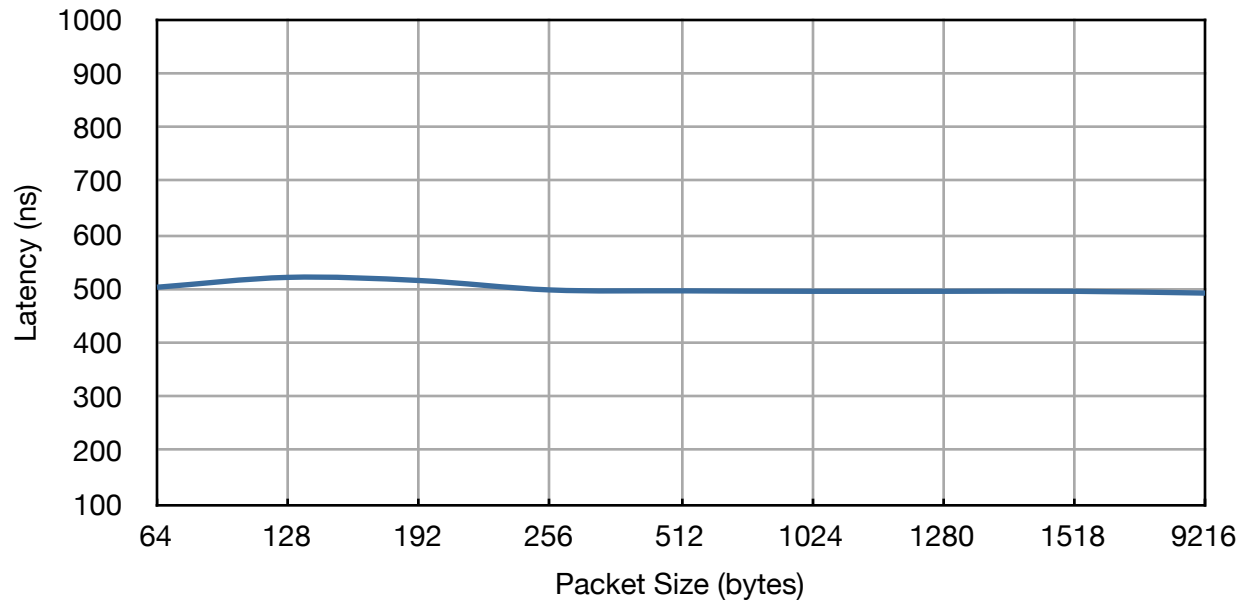


DCS-7124SX Performance Report



Arista DCS-7124SX-S-F
Hardware version: 01.00
Serial number: JSH10530722
Software image version: EOS-4.6.2
IxOS: 6.00.700.3 EA
IxAutomate: 6.90.102.3 GA-SP1

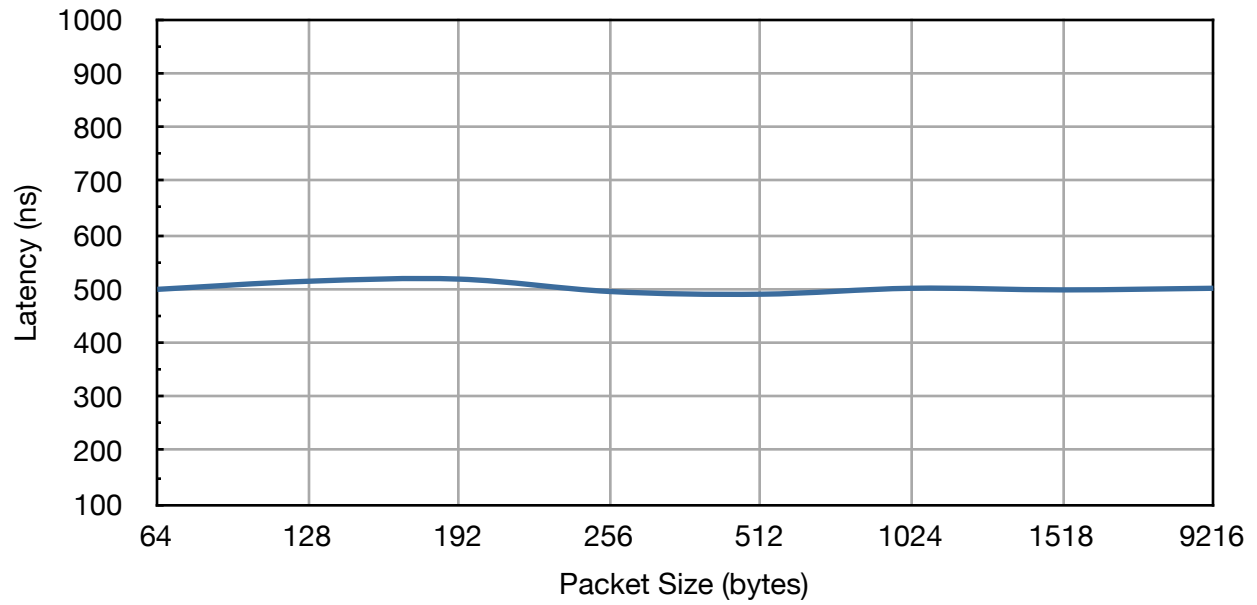
RFC2544 Latency Layer 2



Frame Size	Avg.	Min.	Max.
64	503	482	503
128	521	502	523
192	515	485	520
256	498	482	498
512	496	483	498
1024	495	482	498
1280	495	485	497
1518	495	483	497
9216	492	483	495

* 24 Ports, 100% Line Rate

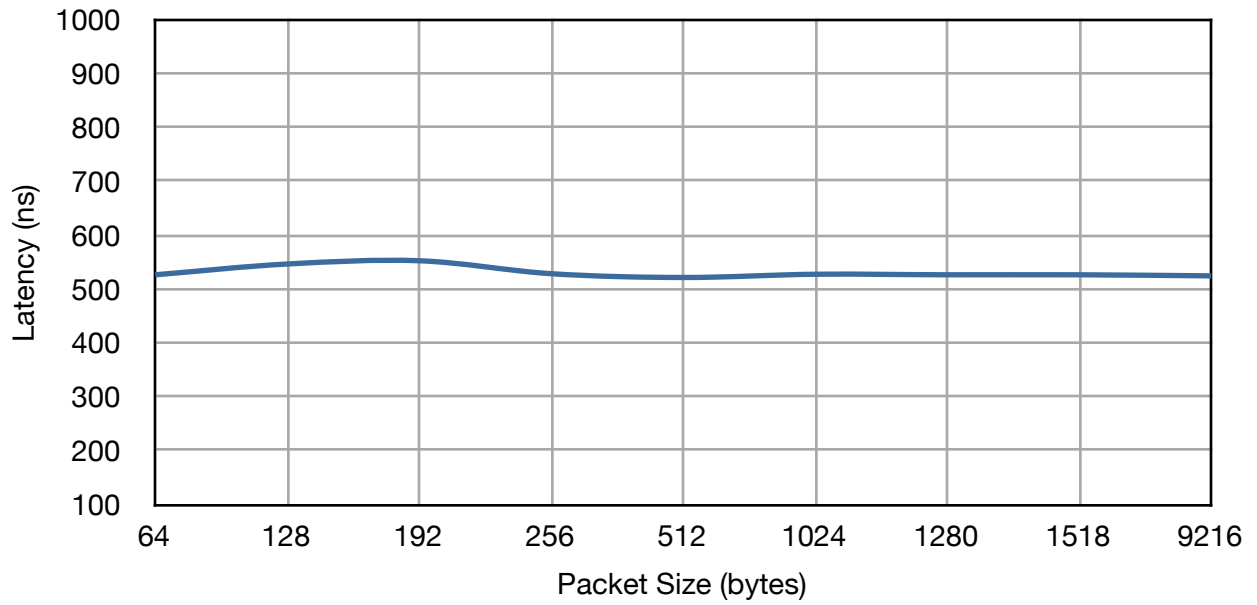
RFC2544 Latency Layer 2



Frame Size	Avg.	Min.	Max.
64	499	460	520
128	514	440	540
192	518	460	560
256	495	460	520
512	490	460	520
1024	501	440	520
1518	498	460	520
9216	501	460	520

* 8 Port Pairs Layer 2, 100% Line Rate

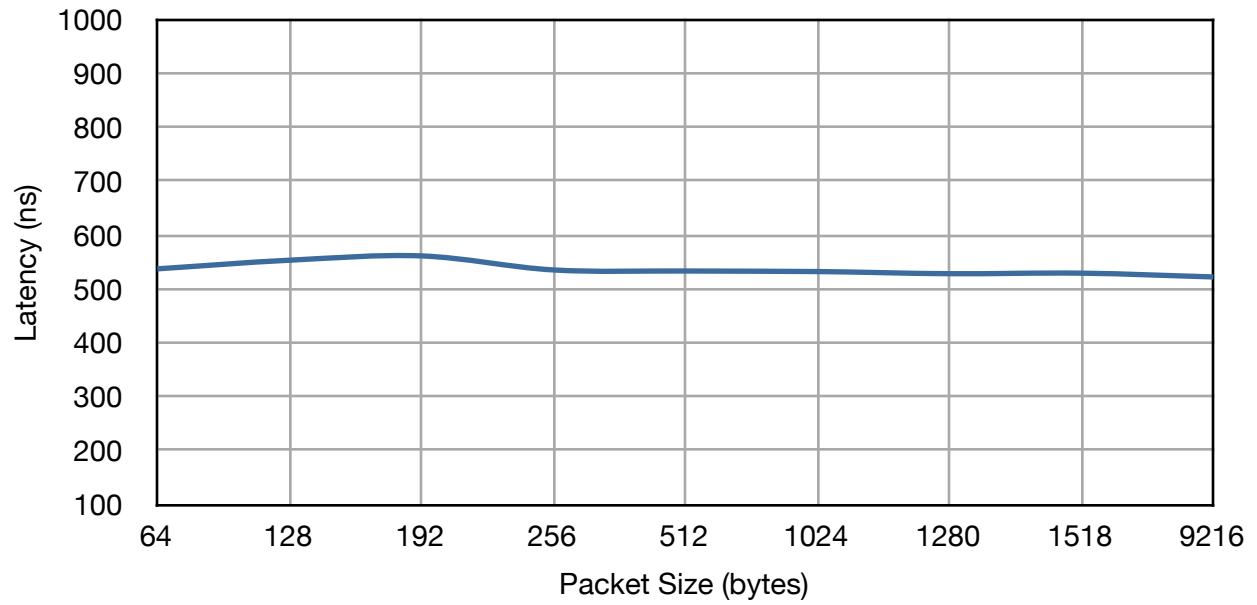
RFC2544 Latency Layer 3



Frame Size	Avg.	Min.	Max.
64	526	460	580
128	546	460	600
192	552	460	600
256	528	460	620
512	521	460	600
1024	527	460	620
1280	526	460	600
1518	526	460	600
9216	524	460	600

* 24 Port Pairs Layer 3, 70% Line Rate (24 IP Interfaces)

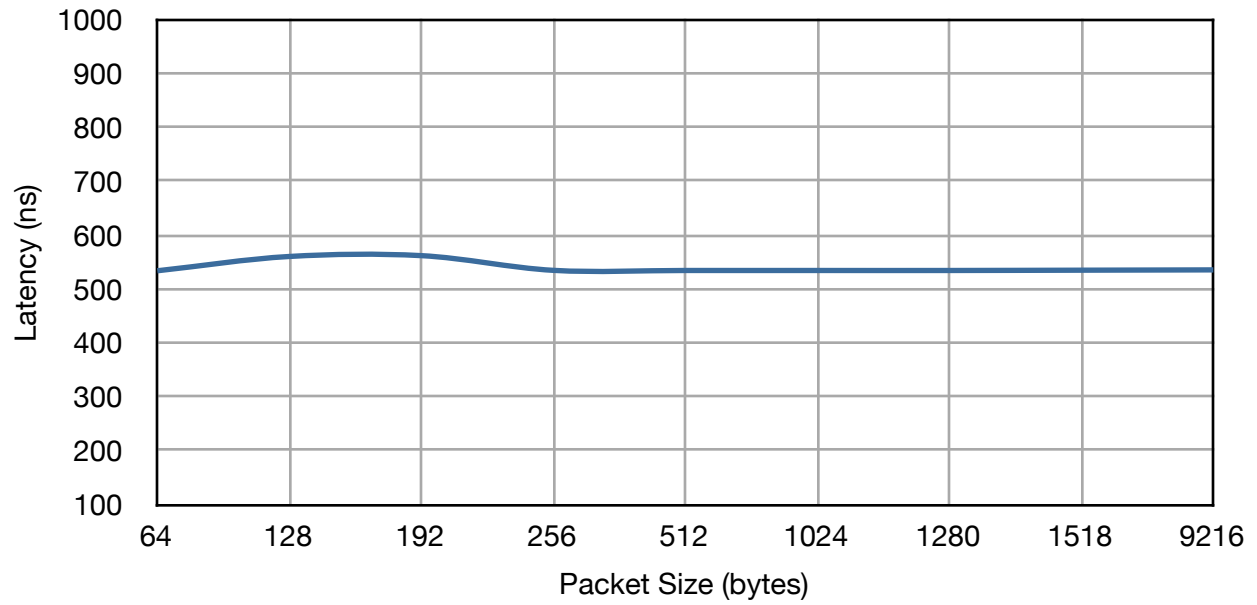
RFC2889 Full Mesh Layer 2



Frame Size	Avg.	Min.	Max.
64	537	440	620
128	553	460	600
192	561	460	600
256	535	440	600
512	533	460	600
1024	532	460	600
1280	528	440	600
1518	529	460	600
9216	522	460	580

* 24 Port Full Mesh Layer 2, 100% Line Rate

RFC3918 Throughput & Latency 2048 Groups Per Port



Frame Size	Avg.	Min.	Max.
64	533	480	600
128	560	480	620
192	562	480	620
256	534	480	620
512	534	480	620
1024	534	480	620
1280	534	480	620
1518	535	480	620
9216	535	480	620

* 1 Port Multicast Sender, 23 Ports Subscribers, 2048 Groups Each, 70% Line Rate

**RFC3918 Mixed Class Throughput
70% Multicast (256 Groups Per Port), 30% Unicast**

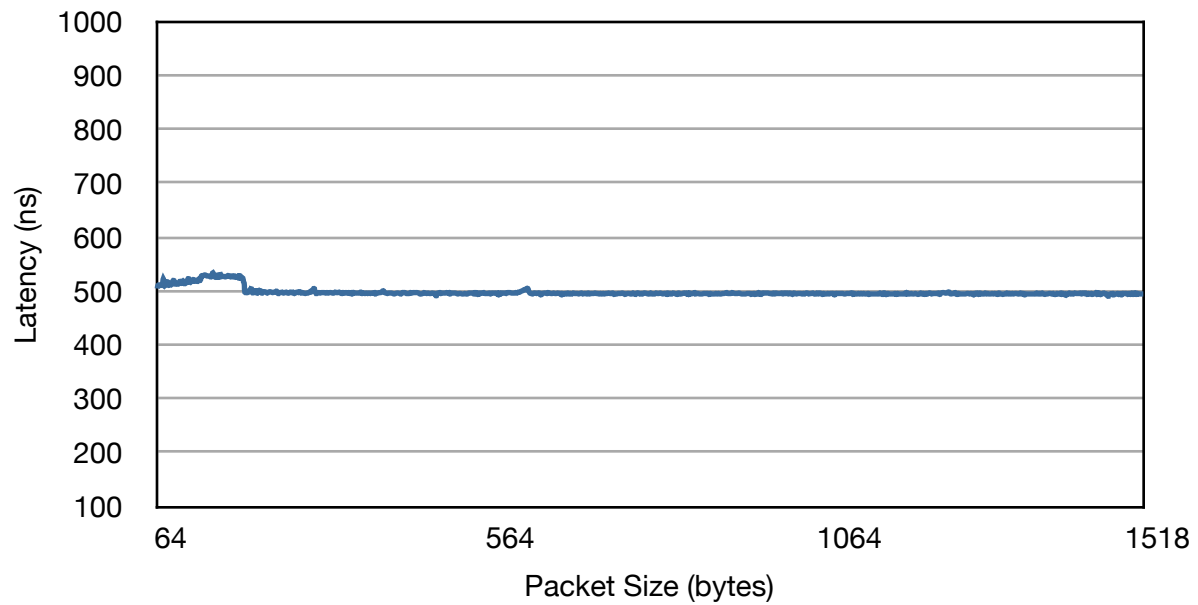
Frame Size	Agg Tx Rate	Traffic Type	Agg Tx Count	Agg Rx Count	Agg RxTput (%Line rate)	Frame Loss	Unicast Ratio	Multicast Ratio
64	70	Multicast	1250000128	28750002944	1610.00	0	30	70
64	30	Unicast	535714242	535714242	29.90	0	30	70
128	70	Multicast	709462272	16317632256	1610.00	0	30	70
128	30	Unicast	304054046	304054046	29.90	0	30	70
256	70	Multicast	380435200	8750009600	1610.00	0	30	70
256	30	Unicast	163043491	163043491	29.90	0	30	70
512	70	Multicast	197368320	4539471360	1610.00	0	30	70
512	30	Unicast	84586460	84586460	29.90	0	30	70
1024	70	Multicast	100574720	2313218560	1610.00	0	30	70
1024	30	Unicast	43103447	43103447	29.90	0	30	70
1280	70	Multicast	80769280	1857693440	1610.00	0	30	70
1280	30	Unicast	34615367	34615367	29.90	0	30	70
1518	70	Multicast	68270592	1570223616	1610.00	0	30	70
1518	30	Unicast	29258782	29258782	29.90	0	30	70

**RFC3918 Mixed Class Throughput
30% Multicast (256 Groups Per Port), 70% Unicast**

Frame Size	Agg Tx Rate	Traffic Type	Agg Tx Count	Agg Rx Count	Agg RxTput (%Line rate)	Frame Loss	Unicast Ratio	Multicast Ratio
64	30	Multicast	535714304	12321428992	690.00	0	70	30
64	70	Unicast	1249999912	1249999912	69.92	0	70	30
128	30	Multicast	304054272	6993248256	690.00	0	70	30
128	70	Unicast	709459394	709459394	69.92	0	70	30
256	30	Multicast	163043584	3750002432	690.00	0	70	30
256	70	Unicast	380434800	380434800	69.92	0	70	30
512	30	Multicast	84586496	1945489408	690.00	0	70	30
512	70	Unicast	197368401	197368401	69.92	0	70	30
1024	30	Multicast	43103488	991380224	690.00	0	70	30
1024	70	Unicast	100574709	100574709	69.92	0	70	30
1280	30	Multicast	34615552	796157696	690.00	0	70	30
1280	70	Unicast	80769187	80769187	69.92	0	70	30
1518	30	Multicast	29258752	672951296	690.00	0	70	30
1518	70	Unicast	68270494	68270494	69.92	0	70	30

* 1 Port Multicast Sender, 23 Ports Subscribers, 256 Groups Each, 100% Line Rate

RFC2544 Latency 64 To 1518 Bytes



Average Of All 1454 Latency Data Points

Frame Size	Avg.	Min.	Max.
64-1518	498	484	500

*24 Ports, 64-1518 Byte Packet Step By 1 Byte, 100% Line Rate, 100% ASIC Usage