

## Ethernet Switch Comparisons

Feature	Arista 7060CX	Arista 7160	Mellanox SN2000	Mellanox Advantage
ASIC	Broadcom (Tomahawk)	Cavium	Spectrum	8 <sup>th</sup> Generation
Product SKUs	32x100 <i>No 25G ToR ports</i>	32x100G or 48x25G+6x100G	32 x 100G or 48 x 25G + 8 x 100G or 16 x 100 <i>(Available in half width)</i>	Only vendor offering full and half-width switches
Forwarding Capacity	3.3Bpps*	1.2Bpps**	4.77Bpps	4X Higher Capacity vs. Cavium
Forwarding Technology	Cut-Through***	Store & Forward	Cut Through	Cut-Through dominates modern data centers
Latency:	450ns****	More than 2us	300ns	7X Lower Latency vs Cavium
Typical Power Consumption	220W <i>(32x100G)</i>	310W <i>(32x100G)</i>	150W <i>(32x100G)</i>	2X Lower Power vs Cavium
Open Ethernet	No	No	Yes	Freedom of Choice

\*Full-wire speed switching requires 4.76 Bpps forwarding rate    \*\* Unpredictable packet loss might lead to service disconnection

\*\*\*Defaults to Cut-Through only when configured with all ports at the same speed    \*\*\*\*When operating at 10 & 100 requires an additional 7us to buffer a 9K jumbo frame