




	A	B	C
1		<b>Arista Networks</b>	
2		5453 Great America Parkway, Santa Clara, CA 950541 U.S.A.	
3		±1(408)547-5500 <a href="https://www.arista.com/en/">https://www.arista.com/en/</a>	
4		Contact <a href="mailto:info@arista.com">info@arista.com</a>	
5		<b>Product 1 (Low End)</b>	<b>Product 2 (High End)</b>
6	<b>Model</b>	<b>Arista 7804R3</b>	<b>Arista 7808R3 (scalable to 7816R3)</b>
7	<b>Overview</b>	<b>High-performance Modular Spine Switch, Compact 10RU form factor</b>	<b>High-performance Universal Spine Switch, High-density 16RU form factor (up to larger chassis)</b>
8	<b>Picture</b>		
9	<b>Hardware Version</b>	<b>Rev R3</b>	<b>Rev R3</b>
10	<b>DnLink Ports</b>	<b>Up to 192 × 100 GbE QSFP / 144 × 400 GbE OSFP-DD (system max)</b>	<b>Up to 384 × 100 GbE QSFP / 288 × 400 GbE OSFP-DD (system max; higher in 7816 configs)</b>
11	<b>COMBO Ports</b>	<b>N/A</b>	<b>N/A</b>
12	<b>UpLink Ports</b>	<b>Shared (linecard dependent)</b>	<b>Shared (linecard dependent)</b>
13	<b>Port Standards &amp; Functions</b>	<b>IEEE 802.3 100BASE-X / 1000BASE-X / 10GBASE-R / 25GBASE-R / 40GBASE-R</b>	<b>IEEE 802.3 100BASE-X / 1000BASE-X / 10GBASE-R / 25GBASE-R / 40GBASE-R</b>
14		<b>IEEE 802.3 100GBASE-R, 400GBASE-R</b>	<b>IEEE 802.3 100GBASE-R, 400GBASE-R</b>
15		<b>IEEE 802.3by 25 GbE, 802.3bj 100 GbE Backplane</b>	<b>IEEE 802.3by 25 GbE, 802.3bj 100 GbE Backplane</b>
16		<b>IEEE 802.1p Priority Queues</b>	<b>IEEE 802.1p Priority Queues</b>
17		<b>IEEE 802.1Q VLAN Tagging</b>	<b>IEEE 802.1Q VLAN Tagging</b>
18		<b>IEEE 802.3x Flow Control</b>	<b>IEEE 802.3x Flow Control</b>
19		<b>IEEE 802.1ab LLDP</b>	<b>IEEE 802.1ab LLDP</b>
20		<b>802.3ad Link Aggregation (LACP)</b>	<b>802.3ad Link Aggregation (LACP)</b>
21		<b>802.1ax Link Aggregation Control</b>	<b>802.1ax Link Aggregation Control</b>
22		<b>802.1D / 802.1w Spanning Tree Protocols</b>	<b>802.1D / 802.1w Spanning Tree Protocols</b>
23	<b>Network Cables</b>	<b>SMF/MMF based on QSFP-DD/OSFP transceivers</b>	<b>SMF/MMF based on QSFP-DD/OSFP transceivers</b>
24	<b>Duplex Mode</b>	<b>Full Duplex only</b>	<b>Full Duplex only</b>
25	<b>Media Interface Exchange</b>	<b>Auto Negotiation &amp; Optic Detection</b>	<b>Auto Negotiation &amp; Optic Detection</b>
26	<b>Switching Capacity</b>	<b>115 Tbps bidirectional (230 Tbps FDX)</b>	<b>230 Tbps bidirectional (460 Tbps FDX; up to 460 Tbps in larger chassis)</b>
27	<b>Packet Forwarding</b>	<b>24 Bpps</b>	<b>48 Bpps (up to 96 Bpps in max configs)</b>
28	<b>Transmission Method</b>	<b>Store-and-Forward</b>	<b>Store-and-Forward</b>
29	<b>MAC Address Table</b>	<b>Up to 1.4M entries (scalable with FlexRoute)</b>	<b>Up to 1.4M entries (scalable with FlexRoute)</b>
30	<b>Static MAC Addresses</b>	<b>Supported via EOS configuration</b>	<b>Supported via EOS configuration</b>
31	<b>Max. 64 Byte Packet Fwd Rate</b>	<b>24 Bpps</b>	<b>48 Bpps</b>
32	<b>Packet Buffer Memory</b>	<b>Up to 96 GB dynamic shared (system; 24 GB per linecard typical)</b>	<b>Up to 192 GB dynamic shared (system; 24 GB per linecard typical)</b>
33	<b>Management Interfaces</b>	<b>RJ-45 Console, USB, Out-of-Band Mgmt Port (SFP)</b>	<b>RJ-45 Console, USB, Out-of-Band Mgmt Port (SFP)</b>
34	<b>CPU</b>	<b>Multi-core Intel Xeon (1.9 GHz, 64 GB RAM typical)</b>	<b>Multi-core Intel Xeon (1.9 GHz, 64 GB RAM typical)</b>
35	<b>CPU Memory</b>	<b>64 GB DDR4</b>	<b>64 GB DDR4</b>
36	<b>Flash Memory</b>	<b>256 GB SSD</b>	<b>256 GB SSD</b>
37	<b>L3 (Layer 3) Routing</b>	<b>Full IPv4/IPv6, OSPF, BGP, IS-IS, EVPN VXLAN (internet-scale with FlexRoute)</b>	<b>Full IPv4/IPv6, OSPF, BGP, IS-IS, EVPN VXLAN (internet-scale with FlexRoute)</b>
38	<b>240/4 Compatibility</b>	<b>EOS 4.32 / CloudVision 2026</b>	<b>EOS 4.32 / CloudVision 2026</b>

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39	<b>Power over Ethernet (PoE)</b>	<b>Arista 7804R3</b>	<b>Arista 7808R3 (scalable to 7816R3)</b>
40	PoE Standards	N/A	N/A
41	PoE Capable Ports	N/A	N/A
42	PoE Power Budget	N/A	N/A
43	<b>LEDs</b>	<b>Arista 7804R3</b>	<b>Arista 7808R3 (scalable to 7816R3)</b>
44	Power (per device)	Yes	Yes
45	Console (per device)	Yes	Yes
46	Link/Activity/Speed (per port)	Yes	Yes
47	PWR Max	—	—
48	Fan Error	—	—
49	<b>Physical &amp; Environmental</b>	<b>Arista 7804R3</b>	<b>Arista 7808R3 (scalable to 7816R3)</b>
50	Power Input	Multiple Hot-swap AC/DC PSUs (redundant; 3kW units)	Multiple Hot-swap AC/DC PSUs (redundant; 3kW units)
51	Max. Power Consumption (PoE enabled)	N/A	N/A
52	Max. Power Consumption (PoE disabled)	~9000 W typical / 9084 W max (system est.)	~18000 W typical / 18215 W max (system est.)
53	Standby Power Consumption	~1500 W idle (est.)	~3000 W idle (est.)
54	Acoustics	~65-70 dB(A)	~70-75 dB(A)
55	Heat Dissipation	~30000 BTU/hr (est.)	~60000 BTU/hr (est.)
56	Fans	N+1/N+N Redundant Smart Fans	N+1/N+N Redundant Smart Fans
57	Operating Temperature	0 °C – 40 °C (32 °F – 104 °F)	0 °C – 40 °C (32 °F – 104 °F)
58	Storage Temperature	-40 °C – 70 °C (-40 °F – 158 °F)	-40 °C – 70 °C (-40 °F – 158 °F)
59	Operating Humidity	5 % to 95 %, non-condensing	5 % to 95 %, non-condensing
60	Storage Humidity	5 % to 95 %, non-condensing	5 % to 95 %, non-condensing
61	Dimensions (W x D x H)	19" x 37" x 17.1" (10RU) ≈ 48.3 x 94 x 43.5 cm	19" x 37" x 27.6" (16RU) ≈ 48.3 x 94 x 70.2 cm
62	Weight	~375 lb (170 kg) full system	~610 lb (277 kg) full system
63	Protection Grade	Standard data-center enclosure	Standard data-center enclosure
64	MTBF	> 200,000 hours	> 200,000 hours
65	Warranty	Limited 1-Year Hardware / Software Support	Limited 1-Year Hardware / Software Support
66	EMI Certifications	FCC Class A, ICES-003, VCCI, CE EN55032	FCC Class A, ICES-003, VCCI, CE EN55032
67	Safety Certifications	UL/CSA 60950-1 and 62368-1 compliant	UL/CSA 60950-1 and 62368-1 compliant
68	Option 1	—	—
69	Option 2	—	—
70	<b>Price/Unit</b>	<b>Arista 7804R3</b>	<b>Arista 7808R3 (scalable to 7816R3)</b>
71	Sample	—	—
72	500pcs	—	—
73	1K	—	—
74	Packaging	1 x Main Chassis, Supervisors, Fabrics, PSUs, Rack Kit, Cables	1 x Main Chassis, Supervisors, Fabrics, PSUs, Rack Kit, Cables
75	Specifications	<a href="https://www.arista.com/en/products/7800r3-series/specifications">https://www.arista.com/en/products/7800r3-series/specifications</a>	<a href="https://www.arista.com/en/products/7800r3-series/specifications">https://www.arista.com/en/products/7800r3-series/specifications</a>
76	Payment term	100 % T/T in advance	