




	A	B	C
1		HPE (Juniper Networks)	
2		1701 E Mossy Oaks Rd. Spring, TX 77389 USA	
3		Website: https://www.hpe.com/us/en	
4		Contact: +1(888)342-2156	
5		Product 1 (Low End)	Product 2 (High End)
6	Model	EX4650-48Y-AFI/AFO (AC)	EX4650-48Y-DC-AFI/AFO
7	Overview	Compact 1U high-performance distribution/core switch for midsize/large campus; Mist AI/Wired Assurance; native 25GbE/100GbE mixed-speed.	Compact 1U high-performance distribution/core switch for midsize/large campus; Mist AI/Wired Assurance; native 25GbE/100GbE mixed-speed.
8	Picture		
9	Hardware Version	-- (not specified; firmware-dependent)	
10	DnLink Ports	48 x 1/10/25GbE SFP/SFP+/SFP28 (multispeed fiber/copper via optics)	48 x 1/10/25GbE SFP/SFP+/SFP28 (multispeed fiber/copper via optics; breakouts up to 80 x 25GbE)
11	COMBO Ports	--	
12	UpLink Ports	8 x 40/100GbE QSFP+/QSFP28 (configurable as 8x40/100GbE or breakouts to 4x25/10GbE)	8 x 40/100GbE QSFP+/QSFP28 (configurable as 8x40/100GbE or breakouts to 4x25/10GbE)
13	Port Standards & Functions	IEEE 802.3 10BASE-T / 100BASE-TX / 1000BASE-T	IEEE 802.3 10BASE-T / 100BASE-TX / 1000BASE-T
14		IEEE 802.3bz 2.5/5/10GBASE-T	IEEE 802.3bz 2.5/5/10GBASE-T
15		IEEE 802.3by 25GBASE-R	IEEE 802.3by 25GBASE-R
16		IEEE 802.3bj 100GBASE-R	IEEE 802.3bj 100GBASE-R
17		IEEE 802.3ae 10GBASE-R	IEEE 802.3ae 10GBASE-R
18		IEEE 802.3az EEE	IEEE 802.3az EEE
19		IEEE 802.3x Flow Control	IEEE 802.3x Flow Control
20	IEEE 802.1D/Q/s/w STP/MSTP/RSTP	IEEE 802.1D/Q/s/w STP/MSTP/RSTP	
21	IEEE 802.1ae MACsec AES256, 802.1ab LLDP, 802.1X	IEEE 802.1ae MACsec AES256, 802.1ab LLDP, 802.1X	
22	IEEE 802.1Qbb PFC, 802.1Qaz ETS, 802.3ad LACP	IEEE 802.1Qbb PFC, 802.1Qaz ETS, 802.3ad LACP	
23	Network Cables	UTP Cat. 5e/6/6a (via optics); twinax DAC; MMF/SMF fiber per transceiver	UTP Cat. 5e/6/6a (via optics); twinax DAC; MMF/SMF fiber per transceiver
24	Duplex Mode	Full-duplex only (high-speed standards)	
25	Media Interface Exchange	Auto MDI/MDIX (where applicable via optics)	
26	Switching Capacity	2 Tbps unidirectional / 4 Tbps bidirectional	
27	Packet Forwarding	2.98 Bpps (wire-speed)	
28	Transmission Method	Store-and-forward / cut-through (configurable)	
29	MAC Address Table	288K entries (L2 mode)	
30	Static MAC Addresses	-- (supported; up to table size configurable)	
31	Max. 64 Byte Packet Fwd Rate	2.98 Bpps	
32	Packet Buffer Memory	32 MB shared (intelligent management)	
33	Management Interfaces	Web (J-Web), CLI (Telnet/SSH), SNMP v1/v2c/v3, Juniper Mist Wired Assurance, JTI telemetry	
34	CPU	2.3 GHz quad-core Intel	
35	CPU Memory	16 GB DRAM	
36	Flash Memory	64 GB SSD	
37	L3 (Layer 3) Routing	static, RIP v1/v2, OSPF v2/v3, IS-IS, BGP, VRRP, PIM-SM/SSM; up to 360K IPv4 unicast prefixes / 208K routes	
38	240/4 Compatibility	Junos OS 9.6 or later	

	A	B	C
39	Power over Ethernet (PoE)	EX4650-48Y-AFI/AFO (AC)	EX4650-48Y-DC-AFI/AFO
40	PoE Standards	N/A	N/A
41	PoE Capable Ports	N/A	N/A
42	PoE Power Budget	N/A	N/A
43	LEDs	EX4650-48Y-AFI/AFO (AC)	EX4650-48Y-DC-AFI/AFO
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	Physical & Environmental	EX4650-48Y-AFI/AFO (AC)	EX4650-48Y-DC-AFI/AFO
50	Power Input	100-240 VAC; 50/60 Hz (dual redundant 650W AC PSU)	-44 to -72 VDC power supply (dual redundant)
51	Max. Power Consumption (PoE enabled)	N/A	N/A
52	Max. Power Consumption (PoE disabled)	450W max / 260W typical / 160W idle	450W max / 260W typical / 160W idle
53	Standby Power Consumption	160W idle	160W idle
54	Acoustics	-- (not specified; variable-speed fans)	-- (not specified; variable-speed fans)
55	Heat Dissipation	-- (inferred ~1500-2000 BTU/hr max)	-- (inferred ~1500-2000 BTU/hr max)
56	Fans	5 (4+1 redundant, hot-swappable, variable-speed)	5 (4+1 redundant, hot-swappable, variable-speed)
57	Operating Temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
58	Storage Temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
59	Operating Humidity	5% to 90% non-condensing	5% to 90% non-condensing
60	Storage Humidity	0% to 95% non-condensing	0% to 95% non-condensing
61	Dimensions (W x D x H)	17.36 x 20.48 x 1.72 in (44.09 x 52.02 x 4.37 cm)	17.36 x 20.48 x 1.72 in (44.09 x 52.02 x 4.37 cm)
62	Weight	23.7 lb (10.75 kg)	23.7 lb (10.75 kg)
63	Protection Grade	--	--
64	MTBF	N/A	N/A
65	Warranty	Enhanced Limited Lifetime Warranty	Enhanced Limited Lifetime Warranty
66	EMI Certifications	FCC Class A, EN 55032/55035, CISPR 32/35, VCCI, ICES-003, AS/NZS CISPR 32, etc.	FCC Class A, EN 55032/55035, CISPR 32/35, VCCI, ICES-003, AS/NZS CISPR 32, etc.
67	Safety Certifications	UL 60950-1/62368-1, IEC 60950-1/62368-1, CB Scheme, etc.	UL 60950-1/62368-1, IEC 60950-1/62368-1, CB Scheme, etc.
68	Option 1	--	--
69	Option 2	--	--
70	Price/Unit	EX4650-48Y-AFI/AFO (AC)	EX4650-48Y-DC-AFI/AFO
71	Sample	--	--
72	500pcs	--	--
73	1K	--	--
74	Packaging	--	--
75	Specifications	https://www.juniper.net/us/en/products/switches/ex-series/ex4650-ethernet-switch-datasheet.html	https://www.juniper.net/us/en/products/switches/ex-series/ex4650-ethernet-switch-datasheet.html
76	Payment term	100% T/T in advance, Warranty: 1 year, Lead time:25-30days, Price term: EXW	