

Technical Specifications

HP 3800-24G-PoE+-2SFP+ Switch (J9573A)

Included accessories	1 HP 3800 Switch Fan Tray (J9582A) 1 HP X312 1000W 100-240VAC to 54VDC Power Supply (J9580A)	
Ports	24 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 fixed 1000/10000 SFP+ ports 1 RJ-45 serial console port 1 RJ-45 out-of-band management port 1 Stacking module slot	
Power supplies	2 power supply slots 1 minimum power supply required includes: 1 x J9580A (HP X312 1000W 100-240VAC to 54VDC Power Supply)	
Fan tray	includes: 1 x J9582A 1 fan tray slot	
Physical characteristics	Dimensions	17.43(w) x 18.4(d) x 1.7(h) in (44.27 x 46.74 x 4.32 cm) (1U height)
	Weight	15.9 lb (7.21 kg) switch chassis with 1 power supply and fan tray installed
Memory and processor	Processor	HP ProVision ASIC/ARM @ 350 MHz; Freescale P2020 @ 1200 MHz, 4 GB flash, 2 GB SDRAM; packet buffer size: 18 MB dynamic
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only	
Performance	1000 Mb Latency	< 2.8 μ s (LIFO 64-byte packets)
	10 Gbps Latency	< 1.9 μ s (LIFO 64-byte packets)
	Throughput	65.4 million pps (64-byte packets)
	Switching capacity	88 Gbps
	Routing table size	10000 entries
	MAC address table size	65500 entries
Environment	Operating temperature	32°F to 131°F (0°C to 55°C); max temperature is 45°C when transceivers are installed
	Operating relative humidity	15% to 95% @ 104°F (40°C), noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 90% @ 149°F (65°C), noncondensing
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 49 dB, Pressure: 33.7 dB
Electrical characteristics	Maximum heat dissipation	434 BTU/hr (457.87 kJ/hr)
	Voltage	100-120/200-240 VAC
	Current	9.4/7.8 A

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Idle power	70 W
Maximum power rating	127 W
PoE power	720 W
Frequency	50/60 Hz
Notes	<p>Idle power is the actual power consumption of the device with no ports connected.</p> <p>Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.</p> <p>PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies and may be supplemented with the use of an external power supply (EPS).</p> <p>With a single power supply at 120 V input, a maximum of 572 W of PoE power is available.</p>

Safety	EN 60950/IEC 60950; UL 60950; CAN/CSA 22.2 No. 60950; EN 60825
Emissions	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A
Immunity	<p>EN EN 55024, CISPR 24</p> <p>ESD IEC 61000-4-2</p> <p>Radiated IEC 61000-4-3; 3 V/m</p> <p>EFT/Burst IEC 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)</p> <p>Surge IEC 61000-4-5; 1 kV/2 kV AC</p> <p>Conducted IEC 61000-4-6; 3 V</p> <p>Power frequency magnetic field IEC 61000-4-8; 1 A/m, 50 or 60 Hz</p> <p>Voltage dips and interruptions IEC 61000-4-11; >95% reductions, 0.5 period; 30% reduction, 25 periods</p> <p>Harmonics EN 61000-3-2, IEC 61000-3-2</p> <p>Flicker EN 61000-3-3, IEC 61000-3-3</p>
Management	HP PCM+; HP PCM; command-line interface; Web browser; configuration menu
Notes	Supported 1G SFP transceivers are revision "B" or later (product number ends with the letter "B" or later, for example, J9142B, J8177C).
Services	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (HT021E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware (HT023E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (HT028E)</p> <p>3-year, 24x7 SW phone support, software updates (HT027E)</p> <p>4-year, 4-hour onsite, 13x5 coverage for hardware (HT031E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware (HT033E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HT038E)</p> <p>4-year, 24x7 SW phone support, software updates (HT037E)</p> <p>5-year, 4-hour onsite, 13x5 coverage for hardware (HT041E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware (HT043E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HT048E)</p> <p>5-year, 24x7 SW phone support, software updates (HT047E)</p> <p>3 Yr 6 hr Call-to-Repair Onsite (HT025E)</p>



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- 4 Yr 6 hr Call-to-Repair Onsite (HT035E)
- 5 Yr 6 hr Call-to-Repair Onsite (HT045E)
- 1-year, 4-hour onsite, 13x5 coverage for hardware (HT011E)
- 1-year, 4-hour onsite, 24x7 coverage for hardware (HT013E)
- 1-year, 6 hour Call-To-Repair Onsite for hardware (HT015E)
- 1-year, 24x7 software phone support, software updates (HT017E)
- 1-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support and software updates (HT018E)
- 1-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HT009E)
- 1-year, 24x7 software phone support, software updates + 4 hour hardware exchange (HT010E)
- 3-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HT019E)
- 3-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HT020E)
- 4-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HT029E)
- 4-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HT030E)
- 5-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HT039E)
- 5-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HT040E)

Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.
