



## HP ProCurve 2512/2524 Switch Series - Specifications

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### Physical specifications

Feature	Description
Dimensions (d x w x h)	20.32 x 44.2 x 4.57 cm (8.0 x 17.4 x 1.8 in) (1U height)
Weight	2.72 kg (6.0 lb), Fully loaded
Mounting	Mounts in a standard 19 inches rack (hardware included)

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### Environmental specifications

Feature	Description
Operating temperature	0° to 55°C (32° to 131°F)
Operating relative humidity	15% to 95% @ 40°C (104°F), non-condensing
Non-operating/Storage temperature	-40° to 70°C (-40° to 158°F)
Non-operating/Storage relative humidity	<b>Procurve 2512 Switch:</b> 15% to 90% @ 65°C (149°F), non-condensing <b>Procurve 2524 Switch:</b> 15% to 95% @ 149°F (65°C), non-condensing
Shock and vibration	HP759, HP760 (similar to EN 60068, IEC 68)

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### Power specifications

Feature	Description
Maximum heat dissipation	130 kJ/hr (123 BTU/hr)
Voltage	100-127/200-240 V ac
Current	2.4/1.2 A
Maximum power rating	36 W
Frequency	50/60 Hz

**NOTE:** 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.

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### Technical specifications

Feature	Description
Ports	<ul style="list-style-type: none"> <li>24 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX)</li> <li><b>Media type:</b> Auto-MDIX</li> <li><b>Duplex:</b> Half or full</li> <li>2 open transceiver slots</li> <li>1 RS-232C DB-9 console port</li> </ul>
Processor	<ul style="list-style-type: none"> <li>ARM7TDMI @ 62.5 MHz</li> </ul>

Feature	Description
Memory	<ul style="list-style-type: none"> <li>• 2MB flash</li> <li>• 26KB RAM/ROM capacity</li> <li>• Packet buffer size: 6MB</li> </ul>
Performance	<ul style="list-style-type: none"> <li>• <b>Latency:</b> &lt; 10 <math>\mu</math>s (LIFO)</li> <li>• <b>Switching capacity:</b> 9.6 Gb/s</li> <li>• <b>MAC address table size:</b> 4096 entries</li> <li>• <b>Throughput:</b> <ul style="list-style-type: none"> <li>• <b>Procurve 2512 Switch:</b> 4.8 million pps (64-byte packets)</li> <li>• <b>Procurve 2524 Switch:</b> 6.6 million pps (64-byte packets)</li> </ul> </li> </ul>
Management	<ul style="list-style-type: none"> <li>• HP ProCurve Manager Plus</li> <li>• HP ProCurve Manager (included)</li> <li>• Command-line interface</li> <li>• Web browser</li> <li>• Configuration menu</li> <li>• Out-of-band management (serial RS-232C)</li> </ul>

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## Safety and emission certificates

Feature	Description
Safety	<ul style="list-style-type: none"> <li>• cUL (CSA 950)</li> <li>• EN 60950/IEC 60950</li> <li>• NOM-019-SCFI-1994</li> <li>• UL 1950 3rd edition</li> </ul>
Emissions	<ul style="list-style-type: none"> <li>• FCC Class A</li> <li>• VCCI Class A</li> <li>• EN 55022/CISPR 22 Class A</li> </ul>
Immunity	<ul style="list-style-type: none"> <li>• <b>Generic:</b> EN 55024, CISPR 24</li> <li>• <b>ESD:</b> IEC 61000-4-2; 4 kV CD, 8 kV AD</li> <li>• <b>Radiated:</b> IEC 61000-4-3; 3 V/m</li> <li>• <b>EFT/Burst:</b> IEC 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)</li> </ul>

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## Standards and protocols

General protocols	<ul style="list-style-type: none"> <li>• IEEE 802.1D MAC Bridges</li> <li>• IEEE 802.1p Priority</li> <li>• IEEE 802.1Q VLANs</li> <li>• IEEE 802.1w Rapid Reconfiguration of Spanning Tree</li> <li>• IEEE 802.3ad Link Aggregation Control Protocol (LACP)</li> <li>• IEEE 802.3x Flow Control</li> </ul>
IP multicast	<ul style="list-style-type: none"> <li>• RFC 3376 IGMPv3</li> </ul>
Network management	<ul style="list-style-type: none"> <li>• RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm) and 9 (events)</li> <li>• RFC 3164 BSD syslog Protocol</li> <li>• SNMPv1/v2c</li> <li>• XRMON</li> </ul>
MIBs	<ul style="list-style-type: none"> <li>• RFC 1213 MIB II</li> <li>• RFC 1493 Bridge MIB</li> <li>• RFC 2613 SMON MIB</li> <li>• RFC 2674 802.1p and IEEE 802.1Q Bridge MIB</li> </ul>
Security	<ul style="list-style-type: none"> <li>• IEEE 802.1X Port Based Network Access Control</li> <li>• RFC 1492 TACACS+</li> <li>• SSHv1 Secure Shell</li> </ul>

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