



Key features

- Web-managed Layer 2 10/100 switch
- 8- and 24-port models
- Fanless switch for silent operation
- Two dual-personality mini-GBIC slots (J9080A)
- Industry-leading warranty

Datasheet

HP ProCurve Switch 1700 Series

The HP ProCurve Switch 1700 Series consists of two 10/100, fanless, Web-managed switches that are ideal for open offices that require silent operation or businesses making the transition from unmanaged to managed networks. The HP ProCurve Switch 1700-24 is a 24-port switch with 22 10/100 ports plus 2 dual-personality ports. The HP ProCurve Switch 1700-8 is a small-form-factor switch with seven 10/100 ports and one 10/100/1000 port. The ProCurve Switch 1700 Series enables increased network capabilities without added complexity.

HP ProCurve Switch 1700 Series

Features and benefits

Industry-leading warranty



Resiliency and high availability

- **IEEE 802.3ad Link Aggregation Control Protocol (LACP):** provides link-level redundancy; support for up to 4 trunks, with up to 7 links (ports) per trunk on the ProCurve Switch 1700-8, and support for 12 trunks, with up to 8 links (ports) per trunk on the ProCurve Switch 1700-24

Layer 2 switching

- **VLAN support and tagging:** support up to 64 port-based VLANs and dynamic configuration of IEEE 802.1Q VLAN tagging, providing security between workgroups

Security

- **Management password:** provides security so that only authorized access to the Web browser interface is allowed

Quality of Service (QoS)

- **IEEE 802.1p prioritization:** delivers data to devices by honoring the priority and type of traffic
- **Broadcast control:** allows limitation of broadcast traffic rate to cut down on unwanted broadcast traffic on the network

Manageability

- **Intuitive Web interface:** enables simple management via an easy-to-use Web browser interface for switch configuration, monitoring, and administration
- **Integration with HP ProCurve Manager:** enables discovery and mapping via ProCurve Manager, available as a free download from the Web
- **IEEE 802.1AB Link Layer Discovery Protocol (LLDP):** automated device discovery protocol for easy mapping by network management applications

Monitor and diagnostics

- **Port mirroring:** enables traffic on a port to be simultaneously sent to a network analyzer for monitoring

Ease of use

- **Comprehensive LED display with per-port indicators:** provides an at-a-glance view of status, activity, speed, and full-duplex operation
- **ProCurve/IEEE Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100/1000 ports

Flexibility

- **Small form factor:** ideal for desktop use; space efficient for deployment flexibility (1700-8 switch only)
- **Designed with no fan:** enables quiet operation for deployment in open spaces

Warranty and support

- **ProCurve Lifetime Warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries).
- **Electronic and telephone support:** limited electronic and telephone support is available from HP. Refer to the HP Web site at www.procurve.com/support for details on the support provided and the period during which support is available.
- **Software releases:** refer to the HP Web site at www.procurve.com/support for details on the software releases provided and the period during which software releases are available.

♦ For as long as you own the product, with next-business-day advance replacement (available in most countries). The following hardware products and their related series modules have a one-year hardware warranty with extensions available: HP ProCurve Routing Switch 9300m Series, HP ProCurve Switch 8100fl Series, and HP ProCurve Network Access Controller 800. The following hardware mobility products have a one-year hardware warranty with extensions available: HP ProCurve M111 Client Bridge, HP ProCurve MSM3xx-R Access Points, HP ProCurve MSM7xx Mobility and Access Controllers, HP ProCurve RF Manager IDS/IPS Systems, HP ProCurve MSM Power Supplies, HP ProCurve 1-Port Power Injector, and HP ProCurve CNMS Appliances. Disk drives in the HP ProCurve ONE Services zI Modules have a five-year hardware warranty. Standalone software, upgrades, or licenses may have a different warranty duration. For details, refer to the ProCurve Software License, Warranty, and Support booklet at <http://www.procurve.com/warranty>.

HP ProCurve Switch 1700 Series

Specifications



HP ProCurve Switch 1700-24 (J9080A)



HP ProCurve Switch 1700-8 (J9079A)

Ports

22 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX); Media Type: Auto-MDIX; Duplex: half or full

2 dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port (IEEE 802.3 Type 10Base-T; IEEE 802.3u Type 100Base-TX; IEEE 802.3ab 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers)

7 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX); Media Type: Auto-MDIX; Duplex: half or full

1 auto-sensing 10/100/1000 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Media Type: Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only

Physical characteristics

Dimensions 6.74(d) x 17.42(w) x 1.73(h) in. (17.12 x 44.25 x 4.39 cm) (1U height)

Weight 4.38 lb. (1.99 kg)

4.58(d) x 7.73(w) x 1.73(h) in. (11.63 x 19.63 x 4.39 cm) (1U height)

1.19 lb. (0.54 kg)

Memory and processor

2 MB flash, 2 MB RAM/ROM capacity; packet buffer size: 500 KB

1 MB flash, 1 MB RAM/ROM capacity; packet buffer size: 144 KB

Mounting

Mounts in an EIA-standard 19 in. telco racks (hardware included)

Horizontal surface mounting only

Performance

100 Mb Latency < 4.7 μ s (64-byte packets)

1000 Mb Latency < 3.0 μ s (64-byte packets)

Throughput up to 6.2 million pps (64-byte packets)

Switching capacity 8.4 Gbps

MAC address table size 8000 entries

< 3.9 μ s (64-byte packets)

< 2.1 μ s (64-byte packets)

up to 2.0 million pps (64-byte packets)

3.4 Gbps

8000 entries

Environment

Operating temperature 32°F to 104°F (0°C to 40°C)

Operating relative humidity 15% to 95% @ 104°F (40°C), non-condensing

Non-operating/Storage temperature -40°F to 158°F (-40°C to 70°C)

Non-operating/Storage relative humidity 10% to 90% @ 149°F (65°C), non-condensing

Altitude up to 10000 ft. (3 km)

Acoustic Power: 0 dB No Fan

32°F to 104°F (0°C to 40°C)

15% to 95% @ 104°F (40°C), non-condensing

-40°F to 158°F (-40°C to 70°C)

10% to 90% @ 149°F (65°C), non-condensing

up to 10000 ft. (3 km)

Power: 0 dB No Fan

Electrical characteristics

Maximum heat dissipation 82 BTU/hr (87 kJ/hr)

Voltage 100-127 / 200-240 VAC

61 BTU/hr (64 kJ/hr)

100-127 / 200-240 VAC

HP ProCurve Switch 1700 Series

Current	0.7 / 0.4 A	1.0 / 0.8 A
Power consumption	24 W	18 W
Frequency	50 / 60 Hz	50 / 60 Hz
Notes	Maximum power rating is the worst-case theoretical maximum power number with fully loaded PoE, 100% traffic, all ports plugged in, and all modules populated.	Maximum power rating is the worst-case theoretical maximum power number with fully loaded PoE, 100% traffic, all ports plugged in, and all modules populated. The exact input voltage and frequency rating are determined by the specific power adapter part number ordered. Please select the correct power adapter country option.
Safety		
	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950
Emissions		
	FCC Rules Part 15, Subpart B Class A; EN 55022; VCCI; ICES-003 (Canada)	FCC Rules Part 15, Subpart B Class A; EN 55022; VCCI; ICES-003 (Canada)
Immunity		
EN	EN 55024, CISPR 24	EN 55024, CISPR 24
ESD	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11
Harmonics	IEC 61000-3-2	IEC 61000-3-2
Flicker	IEC 61000-3-3	IEC 61000-3-3
Management		
	HP ProCurve Manager; Web browser	HP ProCurve Manager; Web browser
Notes		
	Use only supported genuine ProCurve mini-GBICs with your switch.	Use only supported genuine ProCurve mini-GBICs with your switch.
Services		
	3-year, 4-hour onsite, 13x5 coverage for hardware (UF803E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UF804E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UF806E) 3-year, 24x7 SW phone support, software updates (UF805E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E)	3-year, 4-hour onsite, 13x5 coverage for hardware (UF799E) 3-year, 4-hour onsite, 24x7 coverage for hardware (uf800e) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UF802E) 3-year, 24x7 SW phone support, software updates (UF801E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E)
	Refer to the HP Web site at www.procurve.com/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.	Refer to the HP Web site at www.procurve.com/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.
Standards and protocols		
	General protocols IEEE 802.1p Priority IEEE 802.1Q VLANs IEEE 802.3ad Link Aggregation Control Protocol (LACP)	IEEE 802.3x Flow Control RFC 1534 DHCP/BOOTP Interoperation
		Network management IEEE 802.1AB Link Layer Discovery Protocol (LLDP)



Network of Choice

HP ProCurve Switch 1700 Series accessories

HP ProCurve Manager 2.3 (-)

HP ProCurve Switch 1700-24 (J9080A)

HP ProCurve Gigabit-SX-LC Mini-GBIC (J4858C)

HP ProCurve Gigabit-LX-LC Mini-GBIC (J4859C)

HP ProCurve Gigabit-LH-LC Mini-GBIC (J4860C)

NEW HP ProCurve 1000-BX-D SFP-LC Mini-GBIC (J9142B)

NEW HP ProCurve 1000-BX-U SFP-LC Mini-GBIC (J9143B)

For more information

To learn more about HP ProCurve Networking, please visit ProCurve.com

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