

NEW ProCurve Switch 1700 Series

The ProCurve Switch 1700 series complements the ProCurve Switch 1800 series as the newest addition to the ProCurve Web Managed portfolio. Ideal for businesses making the transition from unmanaged to managed networks, the ProCurve Switch 1700 series consists of two Web Managed switches. The ProCurve Switch 1700-24 is a 24-port switch with 22 10/100 ports plus 2 dual-personality ports. The ProCurve Switch 1700-8 is a small-form-factor switch with 7 10/100 ports and 1 10/100/1000 port. Ideal for deployment in open spaces, both switches feature silent operation via a fanless design. The ProCurve Switch 1700 series enables increased network capabilities without added complexity.



NEW ProCurve Switch 1700-24 (J9080A)



NEW ProCurve Switch 1700-8 (J9079A)

ProCurve Switch 1700 Series

Features and benefits

Deployment flexibility

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

Manageability

- **Intuitive Web interface:** enables simple management via an easy-to-use Web browser interface for switch configuration, monitoring, and administration
- **Integration with 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

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 RJ-45 ports

Security

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

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

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 Switch 1700-8, and support for 12 trunks, with up to 8 links (ports) per trunk on the Switch 1700-24

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

Monitoring and diagnostics

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

Industry-leading warranty

- **Lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

Services

Check www.hp.com/go/procurveservices for part numbers and service-level descriptions. For details about services and response times in your area, please contact your local HP sales office.

Accessories

ProCurve Gigabit-SX-LC Mini-GBIC (J4858B)
(1700-24 only)

ProCurve Gigabit-LX-LC Mini-GBIC (J4859B)
(1700-24 only)

ProCurve Gigabit-LH-LC Mini-GBIC (J4860B)
(1700-24 only)

ProCurve Manager 2.1

ProCurve Manager Plus 2.1 100-device limited version (J8778A)

ProCurve Manager Plus 2.1 upgrade to unlimited license (J8779A)

ProCurve Manager Plus 2.1 100 device Upgrade (J8991A)

ProCurve Manager Plus 2.1 unlimited license (J9009A)

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Specifications



ProCurve Switch 1700-24 (J9080A)



ProCurve Switch 1700-8 (J9079A)

Ports	22 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX)	7 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX)
Transceiver	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)	1 10/100/1000 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab 1000Base-T Gigabit Ethernet)
Physical characteristics		
Dimensions (D x W x H)	17.12 x 44.25 x 4.39 cm (6.74 x 17.42 x 1.73 in.) (1U height)	11.63 x 19.63 x 4.39 cm (4.58 x 7.73 x 1.73 in.) (1U height)
Weight	1.99 kg (4.38 lb.)	0.54 kg (1.19 lb.)
Memory and processor		
Packet buffer size	500 KB	144 KB
RAM/ROM capacity	2 MB	1 MB
Flash capacity	2 MB	1 MB
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)	Horizontal surface mounting only
Performance		
Latency		
100 Mb latency	<4.7 μs (64-byte packets)	<3.9 μs (64-byte packets)
1000 Mb latency	<3.0 μs (64-byte packets)	<2.1 μs (64-byte packets)
Throughput	Up to 6.25 million pps (64-byte packets)	Up to 2.08 million pps (64-byte packets)
Switching capacity	8.4 Gbps	3.4 Gbps
MAC address table size	8,000 entries	8,000 entries
Environment		
Operating temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Operating relative humidity	15% to 95% @ 40°C (104°F), non-condensing	15% to 95% @ 40°C (104°F), non-condensing
Non-operating/Storage temperature	–40°C to 70°C (–40°F to 158°F)	–40°C to 70°C (–40°F to 158°F)
Non-operating/Storage relative humidity	10% to 90% @ 65°C (149°F), non-condensing	10% to 90% @ 65°C (149°F), non-condensing
Altitude	Up to 3 km (10,000 ft.)	Up to 3 km (10,000 ft.)
Acoustic	Power: 0 dB, no fan	Power: 0 dB, no fan
Electrical characteristics		
Maximum heat dissipation	86.51 kJ/hr (82 BTU/hr)	64.35 kJ/hr (61 BTU/hr)
Voltage	100–127 VAC/200–240 VAC	100–127 VAC/200–240 VAC
Current	0.75 A/0.4 A	1.0 A/0.8 A
Power consumption	24 W	18 W
Frequency	50/60 Hz	50/60 Hz
Notes	N/A	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		
Safety	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950	
Emissions		
Emissions	FCC Rules Part 15, Subpart B Class A; EN55022; VCCI; ICES-003 (Canada)	
Immunity		
EN	EN55024, CISPR 24	EN55024, 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	IEC61000-3-2	IEC61000-3-2
Flicker	IEC61000-3-3	IEC61000-3-3
Management	ProCurve Manager; Web browser	ProCurve Manager; Web browser
Standards and protocols		
Standards and protocols	IEEE 802.3x Flow Control; IEEE 802.3ad Link Aggregation Control Protocol; IEEE 802.1AB Link Layer Discovery Protocol; IEEE 802.1Q VLANs; IEEE 802.1p Priority; RFC 1534 DHCP/BootP	
Notes	Use only supported genuine ProCurve mini-GBICs with your switch.	

For more information

To learn more about ProCurve
Networking, please visit
www.hp.com/eur/procurve

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4AA1-0121EEE, 03/2007

