

NEW ProCurve Switch 1700 Series

The 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 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. 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

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

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 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 only)
- **Designed with no fan:** enables quiet operation for deployment in open spaces

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.procurve.eu/services 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 (J4858C)
(1700-24 only)

ProCurve Gigabit-LX-LC Mini-GBIC (J4859C)
(1700-24 only)

ProCurve Gigabit-LH-LC Mini-GBIC (J4860C)
(1700-24 only)

ProCurve Manager 2.2

ProCurve Switch 1700 Series

Specifications



ProCurve Switch 1700-24 (J9080A)



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: ProCurve 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: ProCurve 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 1000Base-T) Media type: IEEE Auto-MDIX Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only |
| 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 | <4.7 μ s (64-byte packets) | <3.9 μ s (64-byte packets) |
| 1000 Mb | <3.0 μ s (64-byte packets) | <2.1 μ s (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 | 82 BTU/hr (87 kJ/hr) | 64 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 | 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) | |
| 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 | ProCurve Manager; Web browser | |
| Notes | Use only supported genuine ProCurve mini-GBICs with your switch. | |
| Standards and protocols (applies to both products) | General protocols IEEE 802.1p Priority (Honors) 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) |

For more information

To learn more about ProCurve
Networking, please visit
www.procurve.eu

© 2007 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

4AA1-0121EEE, Fall 2007

