

HPE 1910 Switch Series



HPE 1910-48G Switch (JE009A)



HPE 1910-24G-PoE (365W) Switch (JE007A)



HPE 1910-24G-PoE (170W) Switch (JE008A)

SPECIFICATIONS

I/O ports and slots

48 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)

4 SFP 1000 Mbps ports

1 RJ-45 console port to access limited CLI port

Supports a maximum of 48 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination

24 RJ-45 auto-negotiating 10/100/1000 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE)

4 SFP 1000 Mbps ports

1 RJ-45 console port to access limited CLI port

Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination

24 RJ-45 auto-negotiating 10/100/1000 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE)

4 SFP 1000 Mbps ports

1 RJ-45 console port to access limited CLI port

Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination

Physical characteristics

Dimensions

17.4(w) x 10.24(d) x 1.7(h) in.
(44.2 x 26.01 x 4.32 cm) (1U height)

17.4(w) x 16.54(d) x 1.7(h) in.
(44.2 x 42.01 x 4.32 cm) (1U height)

17.4(w) x 16.54(d) x 1.7(h) in.
(44.2 x 42.01 x 4.32 cm) (1U height)

Weight

6.8 lb (3.08 kg)

6.8 lb (3.08 kg)

6.8 lb (3.08 kg)

Memory and processor

ARM® @ 333 MHz, 128 MB flash, 128 MB RAM; packet buffer size: 512 KB

ARM @ 333 MHz, 128 MB flash, 128 MB RAM; packet buffer size: 512 KB

ARM @ 333 MHz, 128 MB flash, 128 MB RAM; packet buffer size: 512 KB

Mounting and enclosure

Mounts in an EIA standard 19-inch Telco rack or equipment cabinet (hardware included)

Mounts in an EIA standard 19-inch Telco rack or equipment cabinet (hardware included)

Mounts in an EIA standard 19-inch Telco rack or equipment cabinet (hardware included)

Performance

100 Mb Latency

< 5 µs

< 5 µs

< 5 µs

1000 Mb Latency

< 5 µs

< 5 µs

< 5 µs

Throughput

up to 77.4 Mpps (64-byte packets)

up to 41.7 Mpps (64-byte packets)

up to 41.7 Mpps (64-byte packets)

Routing/Switching capacity

104 Gbps

56 Gbps

56 Gbps

Routing table size

32 entries (IPv4), 32 entries (IPv6)

32 entries (IPv4), 32 entries (IPv6)

32 entries (IPv4), 32 entries (IPv6)

MAC address table size

8192 entries

8192 entries

8192 entries

Data sheet

SPECIFICATIONS (CONTINUED)	HPE 1910-48G Switch (JE009A)	HPE 1910-24G-PoE (365W) Switch (JE007A)	HPE 1910-24G-PoE (170W) Switch (JE008A)
Environment			
Operating temperature	32°F to 113°F (0°C to 45°C)	32°F to 113°F (0°C to 45°C)	32°F to 113°F (0°C to 45°C)
Operating relative humidity	10% to 90%, noncondensing	10% to 90%, noncondensing	10% to 90%, noncondensing
Non-operating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Non-operating/Storage relative humidity	10% to 95%, noncondensing	10% to 95%, noncondensing	10% to 95%, noncondensing
Acoustic	Pressure: 50.0 dB; ISO 7779	Pressure: 44.4 dB; ISO 7779	Pressure: 44.4 dB; ISO 7779
Electrical characteristics			
Frequency	50/60 Hz Achieved Miercom Certified Green Award	50/60 Hz	50/60 Hz
AC voltage	100–240 VAC	100–240 VAC	100–240 VAC
Maximum power rating	59.8 W	523 W	255 W
PoE power		365 W	170 W
	Notes 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.	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. 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).	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. PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies.
Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A
Management	IMC—Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	IMC—Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	IMC—Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB
Notes	SFP ports and copper ports work simultaneously, independent of each other, to provide a total of 52 Gigabit Ethernet-capable ports.	SFP ports and copper ports can work simultaneously, independent of each other, to provide a total of 28 Gigabit Ethernet-capable ports.	SFP ports and copper ports work simultaneously, independent of each other, to provide a total of 28 Gigabit Ethernet-capable ports.
Services	Refer to the Hewlett Packard Enterprise website at hpe.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 Hewlett Packard Enterprise sales office.	Refer to the Hewlett Packard Enterprise website at hpe.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 Hewlett Packard Enterprise sales office.	Refer to the Hewlett Packard Enterprise website at hpe.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 Hewlett Packard Enterprise sales office.

HPE 1910 Switch Series

SPECIFICATIONS	HPE 1910-24G SWITCH (JE006A)	HPE 1910-16G SWITCH (JE005A)	HPE 1910-8G SWITCH (JG348A)
I/O ports and slots	<p>24 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)</p> <p>4 SFP 1000 Mbps ports</p> <p>1 RJ-45 console port to access limited CLI port</p> <p>Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination</p>	<p>16 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)</p> <p>4 SFP 1000 Mbps ports</p> <p>1 RJ-45 console port to access limited CLI port</p> <p>Supports a maximum of 16 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination</p>	<p>8 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)</p> <p>1 SFP 1000 Mbps port</p> <p>1 RJ-45 console port to access limited CLI port</p> <p>Supports a maximum of 8 autosensing 10/100/1000 ports plus 1 1000BASE-X SFP ports, or a combination</p>
Physical characteristics			
Dimensions	17.4(w) x 6.3(d) x 1.7(h) in. (44.2 x 16 x 4.32 cm) (1U height)	17.4(w) x 6.3(d) x 1.7(h) in. (44.2 x 16 x 4.32 cm) (1U height)	8.27(w) x 8.27(d) x 1.72(h) in. (21 x 21 x 4.36 cm) (1U height)
Weight	6.8 lb (3.08 kg)	6.8 lb (3.08 kg)	4.41 lb (2 kg)
Memory and processor	ARM @ 333 MHz, 128 MB flash, 128 MB RAM; packet buffer size: 512 KB	ARM @ 333 MHz, 128 MB flash, 128 MB RAM; packet buffer size: 512 KB	ARM @ 333 MHz, 128 MB flash, 128 MB RAM; packet buffer size: 512 KB
Mounting and enclosure	Mounts in an EIA standard 19-inch Telco rack or equipment cabinet (hardware included)	Mounts in an EIA standard 19-inch Telco rack or equipment cabinet (hardware included)	Mounts in an EIA standard 19-inch Telco rack or equipment cabinet (hardware included)
Performance			
100 Mb Latency	< 5 μ s	< 5 μ s	< 5 μ s
1000 Mb Latency	< 5 μ s	< 5 μ s	< 5 μ s
Throughput	up to 41.7 Mpps (64-byte packets)	up to 29.8 Mpps (64-byte packets)	up to 13.4 Mpps (64-byte packets)
Routing/Switching capacity	56 Gbps	40 Gbps	18 Gbps
Routing table size	32 entries (IPv4), 32 entries (IPv6)	32 entries (IPv4), 32 entries (IPv6)	32 entries (IPv4), 32 entries (IPv6)
MAC address table size	8192 entries	8192 entries	8192 entries