

HPE 5130 EI Switch Series



**HPE 5130-24G-PoE+-4SFP+ (370W)
EI Switch (JG936A)**



**HPE 5130-48G-PoE+-4SFP+ (370W)
EI Switch (JG937A)**



**HPE 5130-24G-2SFP+-2XGT EI Switch
(JG938A)**

SPECIFICATIONS (CONTINUED)

I/O ports and slots

24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
4 SFP+ fixed 1000/10000 SFP+ ports

48 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
4 SFP+ fixed 1000/10000 SFP+ ports

24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
2 SFP+ fixed 1000/10000 SFP+ ports
2 RJ-45 1/10GBASE-T ports

Additional ports and slots

1 RJ-45 Serial Console Port

1 RJ-45 Serial Console Port

1 RJ-45 Serial Console Port

Physical characteristics

Dimensions

17.32(w) x 11.81(d) x 1.72(h) in.
(44 x 30 x 4.37 cm) (1U height)

17.32(w) x 14.17(d) x 1.72(h) in.
(44 x 36 x 4.36 cm) (1U height)

17.32(w) x 6.3(d) x 1.72(h) in.
(44 x 16 x 4.37 cm) (1U height)
6.61 lb (3 kg)

Weight

17.64 lb (8 kg)

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Memory and processor

1 GB SDRAM, 512 MB flash; packet buffer size: 1.5 MB

1 GB SDRAM, 512 MB flash; packet buffer size: 3 MB

1 GB SDRAM; Packet buffer size: 1.5 MB, 512 MB flash

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)

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Performance

1000 Mb Latency

< 5 μ s

< 5 μ s

< 5 μ s

10 Gbps Latency

< 3 μ s

< 3 μ s

< 3 μ s

Throughput

96 Mpps

130.9 Mpps

up to 96 Mpps

Routing/Switching capacity

128 Gbps

176 Gbps

128 Gbps

Routing table size

512 entries (IPv4), 256 entries (IPv6)

512 entries (IPv4), 256 entries (IPv6)

512 entries (IPv4), 256 entries (IPv6)

MAC address table size

16384 entries

16384 entries

16384 entries

Reliability

MTBF (years)

48.3

371

872

Environment

Operating temperature

23°F to 113°F (-5°C to 45°C)

23°F to 113°F (-5°C to 45°C)

23°F to 113°F (-5°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

5% to 95%, noncondensing

5% to 95%, noncondensing

5% to 95%, noncondensing

Acoustic

Low-speed fan: 49.8 dB, High-speed fan: 52.9 dB; ISO 7779

Low-speed fan: 50.6 dB, High-speed fan: 54.6 dB; ISO 7779

Low-speed fan: 19 dB, High-speed fan: 44.5 dB; ISO 7779

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Electrical characteristics			
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Maximum heat dissipation	102/1569 BTU/hr (107.61/1655.29 kJ/hr), for AC power. For DC power minimum heat dissipation is 85 BTU/hr and maximum heat dissipation is 2695 BTU/hr.	160/1671 BTU/hr (168.8/1762.91 kJ/hr), for AC power. For DC power minimum heat dissipation is 147 BTU/hr and 3037 BTU/hr maximum.	68/116 BTU/hr (71.74/122.38 kJ/hr), for AC power.
AC voltage	100–240 VAC	100–240 VAC	100–240 VAC
DC voltage	-54 to -57 VDC	-54 to -57 VDC	
Current	10 A	10 A	2 A
Maximum power rating	460 W	490 W	34 W
Idle power	30 W	47 W	20 W
PoE power	370 W PoE+	370 W PoE+	
Notes	<p>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.</p> <p>PoE power is the power supplied by the internal power supply. When supplemented with the use of an HPE RPS1600 Redundant Power System, up to 740 W of PoE+ can be supplied. Maximum current rating for DC power is 25 A. AC input power is 30 W typical, and 460 W maximum (including 370 W PoE+ consumption). DC input voltage range is -54 to -57 VDC. Total DC input power is 25 W typical and 790 W with 740 W PoE+ power consumption. DC input voltage range is -54 VDC to -57 VDC. DC input source is the HPE RPS1600.</p>	<p>Idle power is the actual power consumption of the device with no ports connected. 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. When supplemented with the use of an HPE RPS1600 Redundant Power System, up to 740 W of PoE+ can be supplied. Maximum current rating for DC power is 25 A. AC input power is 47 W typical, and 490 W maximum (including 370 W PoE+ consumption). DC input voltage range is -54 to -57 VDC. Total DC input power is 43 W typical and 890 W with 800 W PoE+ power consumption. DC input voltage range is -54 VDC to -57 VDC. DC input source is the HPE RPS1600.</p>	<p>Idle power is the actual power consumption of the device with no ports connected. 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.</p>
Safety	<p>UL 60950-1; EN 60825-1 Safety of Laser Products-Part 1; EN 60825-2 Safety of Laser Products-Part 2; IEC 60950-1; CAN/CSA-C22.2 No. 60950-1; Anatel; ULAR; GOST; EN 60950-1/A11; FDA 21 CFR Subchapter J; NOM; RoHS Compliance</p>	<p>UL 60950-1; EN 60825-1 Safety of Laser Products-Part 1; EN 60825-2 Safety of Laser Products-Part 2; IEC 60950-1; CAN/CSA-C22.2 No. 60950-1; Anatel; ULAR; GOST; EN 60950-1/A11; FDA 21 CFR Subchapter J; NOM; RoHS Compliance</p>	<p>UL 60950-1; EN 60825-1 Safety of Laser Products-Part 1; EN 60825-2 Safety of Laser Products-Part 2; IEC 60950-1; CAN/CSA-C22.2 No. 60950-1; Anatel; ULAR; GOST; EN 60950-1/A11; FDA 21 CFR Subchapter J; NOM; RoHS Compliance</p>
Emissions	<p>EMC Directive 2004/108/EC; FCC (CFR 47, Part 15) Class A; EN 61000-4-11:2004; ANSI C63.4-2009; EN 61000-3-3:2008; VCCI V-4/2012.04; EN 6100-3-2:2006+A1:2009+A2:2009; EN 61000-3-2:2006+A1:2009+A2:2009; EN 61000-4-3:2006; EN 61000-4-4:2012; EN 61000-4-5:2006; EN 61000-4-6:2009; AS/NZS CISPR 22:2009 Class A; CISPR 22:2008 Class A; EN 55022:2010 Class A; EN 61000-4-29:2000; CISPR 24:2010; EN 300 386 V1.6.1; VCCI V-3/2013.04 Class A</p>	<p>EMC Directive 2004/108/EC; FCC (CFR 47, Part 15) Class A; EN 61000-4-11:2004; ANSI C63.4-2009; EN 61000-3-3:2008; VCCI V-4/2012.04; EN 6100-3-2:2006+A1:2009+A2:2009; EN 61000-3-2:2006+A1:2009+A2:2009; EN 61000-4-3:2006; EN 61000-4-4:2012; EN 61000-4-5:2006; EN 61000-4-6:2009; AS/NZS CISPR 22:2009 Class A; CISPR 22:2008 Class A; EN 55022:2010 Class A; EN 61000-4-29:2000; CISPR 24:2010; EN 300 386 V1.6.1; VCCI V-3/2013.04 Class A</p>	<p>EMC Directive 2004/108/EC; FCC (CFR 47, Part 15) Class A; EN 61000-4-11:2004; ANSI C63.4-2009; EN 61000-3-3:2008; VCCI V-4/2012.04; EN 6100-3-2:2006+A1:2009+A2:2009; EN 61000-3-2:2006+A1:2009+A2:2009; EN 61000-4-3:2006; EN 61000-4-4:2012; EN 61000-4-5:2006; EN 61000-4-6:2009; AS/NZS CISPR 22:2009 Class A; CISPR 22:2008 Class A; EN 55022:2010 Class A; EN 61000-4-29:2000; CISPR 24:2010; EN 300 386 V1.6.1; VCCI V-3/2013.04 Class A</p>

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Immunity	EN 55024 EN 300 386	EN 55024 EN 300 386	EN 55024 EN 300 386
Management	IMC—Intelligent Management Center; command-line interface; Web browser; SNMP Manager	IMC—Intelligent Management Center; command-line interface; Web browser; SNMP Manager	IMC—Intelligent Management Center; Command-line interface; Web browser; SNMP Manager
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.