JG937A Datasheet

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Overview

The HPE JG937A 5130-48G-2SFP+-2XGT is a high-performance switch designed for network connectivity in enterprise environments. This switch provides seamless data transfer and enhances network performance with its reliable features. HPE JG937A: 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, 2 SFP+ fixed 1000/10000 SFP+ ports, 2 RJ-45 1/10GBASE-T ports.

Quick Specs

Product Code	JG937A
Type	HPE Flex Network 5130-48G-PoE+-4SFP+ (370W) EI Switch
I/O ports and slots	48 x 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 x SFP+ fixed 1000/10000 SFP+ ports
Additional ports and slots	1 x RJ-45 serial console port
Memory and processor	1 GB SDRAM 512 MB flash packet buffer size: 1.5 MB
Reliability	MTBF (years): 48.3
PoE power	370 W PoE+
Maximum power rating	490 W
Dimensions	4.36 x 44 x 36 cm (1.72 x 17.32 x 14.17 in)
Weight	8 kg (17.64 lb)

Similar Products

Product Code	JG932A	JG933A	JG934A	JG936A	JG937A
Type	HPE Flex Network 5130-24G-4SFP+ EI Switch	HPE Flex Network 5130-24G-SFP-4SFP+ EI Switch	HPE Flex Network 5130-48G-4SFP+ EI Switch	HPE Flex Network 5130-24G-PoE+-4SFP+ (370W) EI Switch	HPE Flex Network 5130-48G-PoE+-4SFP+ (370W) EI Switch
I/O ports and slots	· 24 x 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 x SFP+ fixed 1000/10000 SFP+ ports	·16 x SFP 100/1000 Mbps ports ·8 x SFP dual-personality ports - 10/100/1000BASE-T RJ-45 or 100/1000BASE-X Combo Ports ·4 x SFP+ fixed 1000/10000 SFP+ ports	· 48 x 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 x SFP+ fixed 1000/10000 SFP+ ports	· 24 x 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 x SFP+ fixed 1000/10000 SFP+ ports	· 48 x 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 x SFP+ fixed 1000/10000 SFP+ ports

Additional ports and slots	1 x RJ-45 serial console port	1 x RJ-45 serial console port	1 RJ-45 serial console port	1 x RJ-45 serial console port	1 x RJ-45 serial console port
Memory and processor	·1 GB SDRAM ·512 MB flash ·packet buffer size: 1.5 MB	·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 · 512 MB flash · packet buffer size: 1.5 MB	· 1 GB SDRAM · 512 MB flash · packet buffer size: 1.5 MB

JG937A Specification

JG937A Specifications	
Type	HPE Flex Network 5130-48G-PoE+-4SFP+ (370W) EI Switch
System specifications	
I/O ports and slots	· 48 x 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 x SFP+ fixed 1000/10000 SFP+ ports
Additional ports and slots	1 x RJ-45 serial console port
Power supplies	N/A
Memory and processor	· 1 GB SDRAM · 512 MB flash · packet buffer size: 1.5 MB
Reliability	MTBF (years): 48.3
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)
Management	IMC - Intelligent Management Center; command-line interface; Web browser; SNMP Manager
Physical specifications	
Dimensions (H x W x D)	4.36 x 44 x 36 cm (1.72 x 17.32 x 14.17 in)
Weight	8 kg (17.64 lb)
Environmental specifications	
Acoustic	Low-speed fan: 50.6 dB, High-speed fan: 54.6 dB; ISO 7779
Operating temperature	0°C to 45°C (32°F to 113°F)
Operating relative humidity	10% to 90%, non condensing
Nonoperating/Storage temperature	-40°C to 70°C (-40°F to 158°F)
Nonoperating/Storage relative humidity	5% to 95%, non condensing
Electrical specifications	
Frequency	50/60 Hz
Maximum heat dissipation	160/1671 BTU/hr (168.8/1762.91 kJ/hr), for AC power. For DC power min heat dissipation is 147BTU/hr and 3037BTU/hr max
AC voltage	100 - 240 V ac
Current	10 A
Maximum power rating	490 W
Idle power	47 W

PoE power	None
Safety certifications	
Safety	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
Emissions	EMC Directive 2004/108/EC; FCC (CFR 47, Part 15) Class A; EN 61000-4-11:2004; ANSI C63.4-2009; EN61000-3-3:2008; 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
Standard and protocols	
Device management	RFC 1157 SNMPv1/v2c RFC 1305 NTPv3 RFC 2573 (SNMPv3 Applications) RFC 2819 (RMON groups Alarm, Event, History and Statistics only) RFC 3416 (SNMP Protocol Operations v2) HTML and telnet management Multiple Configuration Files SNMP v3 and RMON RFC support SSHv1/SSHv2 Secure Shell TACACS/TACACS+ Web UI
General protocols	IEEE 802.1ad Q-in-Q IEEE 802.1D MAC Bridges IEEE 802.1p Priority IEEE 802.1Q VLANs IEEE 802.1s Multiple Spanning Trees IEEE 802.1w Rapid Reconfiguration of Spanning Tree IEEE 802.1X PAE IEEE 802.3 Type 10BASE-T IEEE 802.3ab 1000BASE-T IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE 802.3ae 10-Gigabit Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-X IEEE 802.3x Flow Control IEEE 802.3z 1000BASE-X RFC 768 UDP RFC 783 TFTP Protocol (revision 2) RFC 791 IP RFC 792 ICMP RFC 793 TCP RFC 826 ARP RFC 854 TELNET RFC 951 BOOTP RFC 1213 Management Information Base for Network Management of TCP/IP-based internets RFC 1305 NTPv3 RFC 1350 TFTP Protocol (revision 2) RFC 1519 CIDR RFC 1812 IPv4 Routing RFC 1866 Hypertext Markup Language - 2.0 RFC 2131 DHCP RFC 2236 IGMP Snooping RFC 2616 HTTP Compatibility v1.1 RFC 2665 Definitions of Managed Objects for the Ethernet-like Interface Types RFC 2668 Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) RFC 2865 Remote Authentication Dial In User Service (RADIUS) RFC 2866 RADIUS Accounting RFC 3414 User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3) RFC 3415 View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP) RFC 3418 Management Information Base (MIB) for the Simple Network Management Protocol (SNMP) RFC 3576 Ext to RADIUS (CoA only) RFC 4213 Basic IPv6 Transition Mechanisms802.1r - GARP Proprietary Attribute Registration

	Protocol (GPRP
IPv6	RFC 2461 IPv6 Neighbor Discovery RFC 2463 ICMPv6 RFC 3162 RADIUS and IPv6 RFC 3306 Unicast-Prefix-based IPv6 Multicast Addresses RFC 3315 DHCPv6 (client and relay)
MIBs	RFC 1212 Concise MIB Definitions RFC 1213 MIB II RFC 1493 Bridge MIB RFC 1757 Remote Network Monitoring MIB RFC 2096 IP Forwarding Table MIB RFC 2233 Interface MIB RFC 2571 SNMP Framework MIB RFC 2572 SNMP-MPD MIB RFC 2573 SNMP-Notification MIB RFC 2573 SNMP-Target MIB RFC 2574 SNMP USM MIB RFC 2618 RADIUS Authentication Client MIB RFC 2620 RADIUS Accounting Client MIB RFC 2665 Ethernet-Like-MIB RFC 2668 802.3 MAU MIB RFC 2674 802.1p and IEEE 802.1Q Bridge MIB RFC 2737 Entity MIB (Version 2) RFC 2819 RMON MIB RFC 2863 The Interfaces Group MIB RFC 2925 Ping MIB RFC 3414 SNMP-User based-SM MIB RFC 3415 SNMP-View based-ACM MIB RFC 3418 MIB for SNMPv3 RFC 3621 Power Ethernet MIB
Network management	IEEE 802.1AB Link Layer Discovery Protocol (LLDP) RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm) and 9 (events) ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED) SNMPv1/v2c/v3
Security	IEEE 802.1X Port Based Network Access Control RFC 1492 TACACS+ RFC 2138 RADIUS Authentication RFC 2139 RADIUS Accounting RFC 2865 RADIUS (client only) RFC 2866 RADIUS Accounting Secure Sockets Layer (SSL) SSHv2 Secure Shell

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