

HPE FlexFabric 5901AF 48-Port 1GBaseT 4XG 2QSFP+ Switch

Switch - L3 - Managed - 48 x 10/100/1000 + 4 x 10 Gigabit Ethernet / 1 Gigabit Ethernet SFP+ + 2 x 40 Gigabit QSFP+ - rack-mountable

Group	Network Equipment
Manufacturer	HPE
Manufacturer item no.	JL864A
EAN/UPC	0190017525907



Description

HPE FlexFabric 5901AF 48-Port 1GBaseT 4XG 2QSFP+ Switch - Switch - L3 - Managed - 48 x 10/100/1000 + 4 x 10 Gigabit Ethernet / 1 Gigabit Ethernet SFP+ + 2 x 40 Gigabit QSFP+ - rack-mountable

Main features

Product Description	HPE FlexFabric 5901AF 48-Port 1GBaseT 4XG 2QSFP+ Switch - switch - 48 ports - Managed - rack-mountable
Device Type	Switch - 48 ports - L3 - Managed
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 4 x 10 Gigabit Ethernet / 1 Gigabit Ethernet SFP+ + 2 x 40 Gigabit QSFP+
Performance	Latency (1 Gbps): 5 µs Latency (40 Gbps): 1.2 µs Throughput: 250 Mpps Routing/switching capacity: 336 Gbps
Capacity	IPv4 routing table entries: 16000 IPv6 routing table entries: 8000 MAC address entries: 110000
MAC Address Table Size	110K entries
Jumbo Frame Support	9216 bytes
Routing Protocol	OSPF, BGP-4, IS-IS, RIP-1, RIP-2, BGP, VRRP, OSPFv2, static IP routing, OSPFv3, RIPng
Remote Management Protocol	SNMP 1, SNMP 2, Telnet, SNMP 3, SNMP 2c, TFTP, SSH, SSH-2, CLI, NTP, ICMP
Features	Flow control, DHCP support, BOOTP support, ARP support, VLAN support, IGMP snooping, Syslog support, DiffServ support, Broadcast Storm Control, IPv6 support, SNTP support, Multiple Spanning Tree Protocol (MSTP) support, Access Control List (ACL) support, Quality of Service (QoS), Device Link Detection Protocol (DLDP) support, IPv4 support, DHCP relay, Link Aggregation Control Protocol (LACP), Neighbor Discovery Protocol (NDP), Class of Service (CoS), 8MB packet buffer, cut-through, OpenFlow support, In-Service Software Upgrade (ISSU), Internet Control Message Protocol (ICMP), Software Defined Networking (SDN), 2 fan trays, VLAN Double Tagging (Q-in-Q), DNS client, Top-of-Rack (ToR), Ethernet OAM, STP loop guard, proxy ARP, Zero-touch provisioning (ZTP), Rapid Reconfiguration of Spanning Tree (RSTP), IPv4 and IPv6 dual stack, Intelligent Resilient Fabric Technology (IRF)

Compliant Standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.3ae, IEEE 802.1s, IEEE 802.1ad, IEEE 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3ag
Power Redundancy	Optional
Dimensions (WxDxH)	44 cm x 36 cm x 4.4 cm
Weight	7.5 kg

Extended details

General	
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Remote Management Protocol	SNMP 1, SNMP 2, Telnet, SNMP 3, SNMP 2c, TFTP, SSH, SSH-2, CLI, NTP, ICMP
Authentication Method	Secure Shell (SSH), TACACS, TACACS+, Secure Shell v.2 (SSH2)
Features	Flow control, DHCP support, BOOTP support, ARP support, VLAN support, IGMP snooping, Syslog support, DiffServ support, Broadcast Storm Control, IPv6 support, SNTP support, Multiple Spanning Tree Protocol (MSTP) support, Access Control List (ACL) support, Quality of Service (QoS), Device Link Detection Protocol (DLDP) support, IPv4 support, DHCP relay, Link Aggregation Control Protocol (LACP), Neighbor Discovery Protocol (NDP), Class of Service (CoS), 8MB packet buffer, cut-through, OpenFlow support, In-Service Software Upgrade (ISSU), Internet Control Message Protocol (ICMP), Software Defined Networking (SDN), 2 fan trays, VLAN Double Tagging (Q-in-Q), DNS client, Top-of-Rack (ToR), Ethernet OAM, STP loop guard, proxy ARP, Zero-touch provisioning (ZTP), Rapid Reconfiguration of Spanning Tree (RSTP), IPv4 and IPv6 dual stack, Intelligent Resilient Fabric Technology (IRF)
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RAM	2 GB SDRAM
Flash Memory	1 GB
Expansion / Connectivity	
Interfaces	48 x Gigabit LAN 4 x Gigabit / 10Gbit LAN SFP+ 2 x 40Gbit LAN QSFP+ 1 x console RJ-45 management 1 x mini-USB 1 x USB Type A
Power	
Power Device	Internal power supply (not installed) - hot-plug
Max Supported Qty	2
Power Redundancy	Optional

Power Redundancy Scheme	1+1 (with optional power supply)
Features	Front-to-rear airflow
	Miscellaneous
Compliant Standards	GOST, EN 61000-3-2, IEC 61000-3-2, IEC 61000-3-3, IEC 61000-4-11, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, NOM, EN 61000-3-3, EN 61000-4-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-6, ICES-003 Class A, EN 61000-4-5, EN 61000-4-11, RoHS, EN 61000-4-8, UL 60950-1, IEC 60950-1, ANATEL, UL-AR, EN 60825-2, VCCI Class A, EN 61000-3-3:2013, EN 55024:2010, ETSI EN 300 386 V1.6.1:2012, EN 61000-3-2:2014, FCC CFR47 Part 15 B Class A, EN 55024:2010+A1:2015, EN 60950-1/A11, FDA 21 CFR, AS/NZS CISPR 32 Class A, EN 55032 Class A, CISPR 32:2015 Class A, EN 60825-1 Class 1, CAN/CSA-C22.2 No. 60950-1, EN 55035:2017, ETSI EN 300 386 V2.1.1, CISPR 35: 2016
	Dimensions & Weight
Width	44 cm
Depth	36 cm
Height	4.4 cm
Weight	7.5 kg
	Manufacturer Warranty
Service & Support	Limited warranty - lifetime
	Environmental Parameters
Min Operating Temperature	-5 °C
Max Operating Temperature	45 °C
Humidity Range Operating	10 - 90% (non-condensing)

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