

HPE FlexNetwork 5140 8G 2SFP 2XGT Combo EI - switch - 12 ports - smart - rack-mountable (R8J42A)

HPE FlexNetwork 5140 8G 2SFP 2XGT Combo EI - Switch - L3 - smart - 8 x 10/100/1000 + 2 x 1 Gigabit / 10 Gigabit SFP+ + 2 x combo 10GBase-T - rack-mountable - BTO



The HPE FlexNetwork 5140 EI Switch Series delivers scalability, high availability, and low TCO at the access layer of medium and large enterprise campus networks. The series offers enterprise-class QoS and security, Hewlett Packard Enterprise Intelligent Resilient Fabric (IRF) stacking, static layer 3 routing and RIP, convenient fixed 10GbE uplink ports, PoE+, ACLs, and IPv6, and delivers energy savings with Energy Efficient Ethernet.

The HPE FlexNetwork 5140 EI Switch Series also includes Smart Management Center (SmartMC), an embedded network management tool that can be leveraged at no additional cost by small and medium networks for centralized management and operations. The series can also be managed with HPE Intelligent Management Center (IMC) for a single view of your entire network.

Key Selling Points

- Gigabit Ethernet access switch with static layer 3 routing, RIP, high density 10GbE uplinks, and POE+ models for voice, video, and Supports IRF technology that enables Plug and Play device aggregation and link aggregation across multiple devices, enhancing network redundancy and resource utilization
- Includes embedded network management capabilities with Smart Management Center (SmartMC)
- Includes energy-saving green design features such as automatic switching of idle ports to energy-saving mode and powering down unused ports

Product Features

Scalability and high availability

The HPE FlexNetwork 5140 EI Switch Series delivers scalability and enhances reliability of the network with HPE Intelligent Resilient Fabric (IRF) technology. IRF stacking enables virtual resilient switching fabrics, where two or more switches perform as a single L2 switch and L3 router.

Comprehensive security control

The HPE FlexNetwork 5140 EI Switch Series supports flexible authentication methods including 802.1X and MAC Authentication for greater security and policy-driven application authentication. Per-user access control lists (ACLs) provide identity-driven security and access control.

Simplified management

The HPE FlexNetwork 5140 EI Switch Series can be seamlessly managed with HPE Intelligent Management Center (IMC) to provide end-to-end network transparency with a consistent network experience through comprehensive configuration, compliance, and policy management.

Enhanced quality of service

The HPE FlexNetwork 5140 EI Switch Series supports advanced classifier-based QoS which groups traffic using multiple match criteria based on Layer 2 and 3 information, it applies QoS policies such as setting priority level and rate limit to selected traffic on a port, VLAN, or entire switch.

Main Specifications

Product Description	HPE FlexNetwork 5140 8G 2SFP 2XGT Combo EI - switch - 12 ports - smart - rack-mountable
Device Type	Switch - 12 ports - L3 - smart
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	8 x 10/100/1000 + 2 x 1 Gigabit / 10 Gigabit SFP+ + 2 x combo 10GBase-T
Performance	Latency (1000 Mbps): 5 μs Latency (10 Gbps): 3 μs Throughput: 18 Mpps Routing/switching capacity: 128 Gbps
Capacity	IPv4 routing table entries: 512 IPv6 routing table entries: 256 VLAN IDs: 4094

MAC Address Table Size	16384 entries
Jumbo Frame Support	9216 bytes
Routing Protocol	OSPF, RIP-1, RIP-2, IGMP, OSPFv2, IGMPv3, OSPFv3, static IPv4 routing, static IPv6 routing, CIDR
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTPS, TFTP, SSH-2, CLI, SCP, SNMP 6, NTP, ICMP, DHCP, RADIUS
Features	Flow control, BOOTP support, ARP support, load balancing, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, DiffServ support, WRR queuing, IPv6 support, High Availability, full duplex mode, sFlow, STP support, RSTP support, VRRP support, MSTP support, ACL support, QoS, CAR, RADIUS support, DHCP server, MLD snooping, DLDp support, STP Root Guard, IPv4 support, LLDP support, DHCP relay, LACP, Port Security, Smart Link Pass-Through, Energy Efficient Ethernet, dynamic ARP protection, DHCP protection, MVRP, SPQ, port isolation, GARP, OpenFlow support, IP source guard, ICMP IRDP, Link Aggregation, VLAN Double Tagging (Q-in-Q), LLDP-MED, Smart Link, Guest VLAN, Ethernet OAM, proxy ARP, WRR, IRF Technology, BPDU protection, UDP support, MRP
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3i, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.3ac, IEEE 802.1s, IEEE 802.1ad, IEEE 802.3ah, ANSI/TIA-1057, IEEE 802.1ab (LLDP), IEEE 802.1ak, IEEE 802.3at, IEEE 802.3az, IEEE 802.1AX, IEEE 802.1r
Power	AC 100-240 V (50/60 Hz)
Dimensions (WxDxH)	26.6 cm x 16 cm x 4.36 cm
Weight	1.5 kg
Pricing Type	BTO
Manufacturer Warranty	Limited lifetime warranty

Extended Specification

General

Device Type	Switch - 12 ports - L3 - smart
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	8 x 10/100/1000 + 2 x 1 Gigabit / 10 Gigabit SFP+ + 2 x combo 10GBase-T
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Capacity	IPv4 routing table entries: 512 IPv6 routing table entries: 256 VLAN IDs: 4094
MAC Address Table Size	16384 entries
Jumbo Frame Support	9216 bytes
Routing Protocol	OSPF, RIP-1, RIP-2, IGMP, OSPFv2, IGMPv3, OSPFv3, static IPv4 routing, static IPv6 routing, CIDR
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTPS, TFTP, SSH-2, CLI, SCP, SNMP 6, NTP, ICMP, DHCP, RADIUS
Encryption Algorithm	SSL
Authentication Method	Secure Shell (SSH), RADIUS, TACACS, TACACS+, Secure Shell v.2 (SSH2), HWTACACS

Features	Flow control, BOOTP support, ARP support, load balancing, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, DiffServ support, WRR queuing, IPv6 support, High Availability, full duplex mode, sFlow, STP support, RSTP support, VRRP support, MSTP support, ACL support, QoS, CAR, RADIUS support, DHCP server, MLD snooping, DLDP support, STP Root Guard, IPv4 support, LLDP support, DHCP relay, LACP, Port Security, Smart Link Pass-Through, Energy Efficient Ethernet, dynamic ARP protection, DHCP protection, MVRP, SPQ, port isolation, GARP, OpenFlow support, IP source guard, ICMP IRDP, Link Aggregation, VLAN Double Tagging (Q-in-Q), LLDP-MED, Smart Link, Guest VLAN, Ethernet OAM, proxy ARP, WRR, IRF Technology, BPDU protection, UDP support, MRP
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RAM	512 MB SDRAM
Flash Memory	256 MB
Expansion / Connectivity	
Interfaces	8 x 1000Base-T RJ-45 2 x Gigabit / 10Gbit LAN SFP+ 2 x Gigabit / 10Gbit LAN RJ-45 1 x console RJ-45 management
Manufacturer Warranty	
Service & Support	Limited warranty - lifetime
Miscellaneous	
Rack Mounting Kit	Included
Compliant Standards	Plug and Play, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, ICES-003 Class A, RoHS, UL 60950-1, IEC 60950-1, WEEE, EN 60825-1, FCC Part 15 B Class A, EN 60825-2, IPv6 Ready, EN 300 386, FDA 21 CFR, AS/NZS CISPR 32 Class A, YD/T993, IEC 62368-1, EN 55032, CAN/CSA-C22.2 No. 60950-1, VCCI-CISPR 32:2016 Class A, ETSI EN 300 386, EN 62368-1:2014/A11:2017, GB/T9254
Pricing Type	BTO
Power	
Power Device	Internal power supply
Power Provided	10 A
Voltage Required	AC 100-240 V (50/60 Hz)
Environmental Parameters	
Min Operating Temperature	-5 °C
Max Operating Temperature	50 °C
Humidity Range Operating	10 - 90% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 95% (non-condensing)
Dimensions & Weight	
Width	26.6 cm
Depth	16 cm
Height	4.36 cm
Weight	1.5 kg