

# HP 5120 EI Switch Series

## About the HP 5120 EI Command References

Part number: 5998-1778

Software version: Release 2220

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# About the HP 5120 EI Command References

The HP 5120 EI command references are part of the HP 5120 EI documentation set. They describe the commands and command syntax options available for the HP 5120 EI Switch Series Release 2220. The HP 5120 EI documentation set includes 10 command references:

Command Reference	Content
01 Fundamentals Command Reference	<p>Covers the commands for logging in to and setting up the Switch. This command reference includes:</p> <ul style="list-style-type: none"><li>• CLI</li><li>• Login management</li><li>• FTP</li><li>• TFTP client</li><li>• File system management</li><li>• Configuration file management</li><li>• Software upgrade</li><li>• Device management</li></ul>
02 IRF Command Reference	<p>Covers the commands for configuring the HP proprietary Intelligent Resilient Framework (IRF) technology features. It covers planning the switch roles in the IRF fabric, connecting the IRF links, and detecting and maintaining the IRF fabric.</p>
03 Layer 2 – LAN Switching Command Reference	<p>Covers the commands for configuring Layer 2 technologies and features in a LAN switched network. This command reference includes:</p> <ul style="list-style-type: none"><li>• Ethernet interface</li><li>• Loopback and null interface</li><li>• Bulk interface</li><li>• MAC address table</li><li>• MAC Information</li><li>• Ethernet link aggregation</li><li>• Port isolation</li><li>• Spanning tree</li><li>• BPDU tunneling</li><li>• VLAN</li><li>• Isolate-user-VLAN</li><li>• Voice VLAN</li><li>• GVRP</li><li>• QinQ</li><li>• LLDP</li><li>• MVRP</li></ul>

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Command Reference	Content
04 Layer 3 – IP Services Command Reference	<p>Covers the commands for configuring IP addressing, DHCP, IP performance optimization, ARP, DNS, IPv6 basics, UDP Helper, DHCPv6 and Tunneling. This command reference includes:</p> <ul style="list-style-type: none"> <li>• ARP</li> <li>• Gratuitous ARP</li> <li>• Proxy ARP</li> <li>• ARP snooping</li> <li>• IP addressing</li> <li>• DHCP server</li> <li>• DHCP relay agent</li> <li>• DHCP client</li> <li>• DHCP snooping</li> <li>• BOOTP client</li> <li>• IPv4 DNS</li> <li>• IRDP</li> <li>• IP performance optimization</li> <li>• UDP Helper</li> <li>• IPv6 basics</li> <li>• DHCPv6</li> <li>• IPv6 DNS</li> </ul>
05 Layer 3 – IP Routing Command Reference	<p>Covers the routing configuration commands. This command reference includes:</p> <ul style="list-style-type: none"> <li>• Basic IP routing</li> <li>• Static routing</li> <li>• IPv6 static routing</li> </ul>
06 IP Multicast Command Reference	<p>Covers the commands for configuring Layer 2 multicast services. This command reference includes:</p> <ul style="list-style-type: none"> <li>• IGMP snooping</li> <li>• PIM snooping</li> <li>• Multicast VLAN</li> <li>• MLD snooping</li> <li>• IPv6 PIM snooping</li> <li>• IPv6 multicast VLAN</li> </ul>
07 ACL and QoS Command Reference	<p>Covers the commands for classifying traffic with ACLs, and allocating network resources and managing congestions with QoS technologies to improve network performance and network use efficiency. This command reference includes:</p> <ul style="list-style-type: none"> <li>• ACL</li> <li>• QoS policy</li> <li>• Priority mapping</li> <li>• GTS and rate limit</li> <li>• Congestion management</li> <li>• Data buffer</li> </ul>

Command Reference	Content
08 Security Command Reference	<p data-bbox="647 228 1417 383">Covers security feature commands. Available security features include identity authentication (AAA), access security (802.1X, MAC authentication, portal and port security), secure management (SSH), and attack protection (IP source guard, ARP attack protection, and URPF). This command reference includes:</p> <ul data-bbox="647 396 906 1310" style="list-style-type: none"> <li>• AAA</li> <li>• 802.1X</li> <li>• EAD fast deployment</li> <li>• MAC authentication</li> <li>• Portal</li> <li>• Port security</li> <li>• User profile</li> <li>• Password control</li> <li>• HABP</li> <li>• Public key</li> <li>• PKI</li> <li>• IPsec</li> <li>• IKE</li> <li>• SSH2.0</li> <li>• SFTP</li> <li>• SCP</li> <li>• SSL</li> <li>• TCP attack protection</li> <li>• IP source guard</li> <li>• ARP attack protection</li> <li>• ND attack protection</li> <li>• SAVI</li> <li>• Blacklist</li> <li>• FIPS</li> </ul>
09 High Availability Command Reference	<p data-bbox="647 1328 1417 1450">Covers high availability commands for managing failure detection and failover. Failure detection technologies focus on fault detection and isolation. Failover technologies focus on network recovery. This command reference includes:</p> <ul data-bbox="647 1463 839 1722" style="list-style-type: none"> <li>• Ethernet OAM</li> <li>• CFD</li> <li>• DLDLP</li> <li>• RRPP</li> <li>• Smart Link</li> <li>• Monitor Link</li> <li>• Track</li> </ul>

Command Reference	Content
10 Network Management and Monitoring Command Reference	<p data-bbox="647 232 1426 383">Covers the commands that help you manage and monitor your network, for example, manage system events, sample packets, assess network performance, synchronize the clock for all devices with the clock in the network, supply power for attached devices by using PoE, and test network connectivity. This command reference includes:</p> <ul data-bbox="647 398 901 886" style="list-style-type: none"> <li>• Ping, tracet, and system debugging</li> <li>• NTP</li> <li>• Information center</li> <li>• SNMP</li> <li>• RMON</li> <li>• Port mirroring</li> <li>• Traffic mirroring</li> <li>• NQA</li> <li>• sFlow</li> <li>• IPC</li> <li>• PoE</li> <li>• Cluster management</li> <li>• Stack management</li> </ul>