



3COM SWITCH 4050 AND 4060 MANAGEMENT QUICK REFERENCE GUIDE

Summary of Software Features

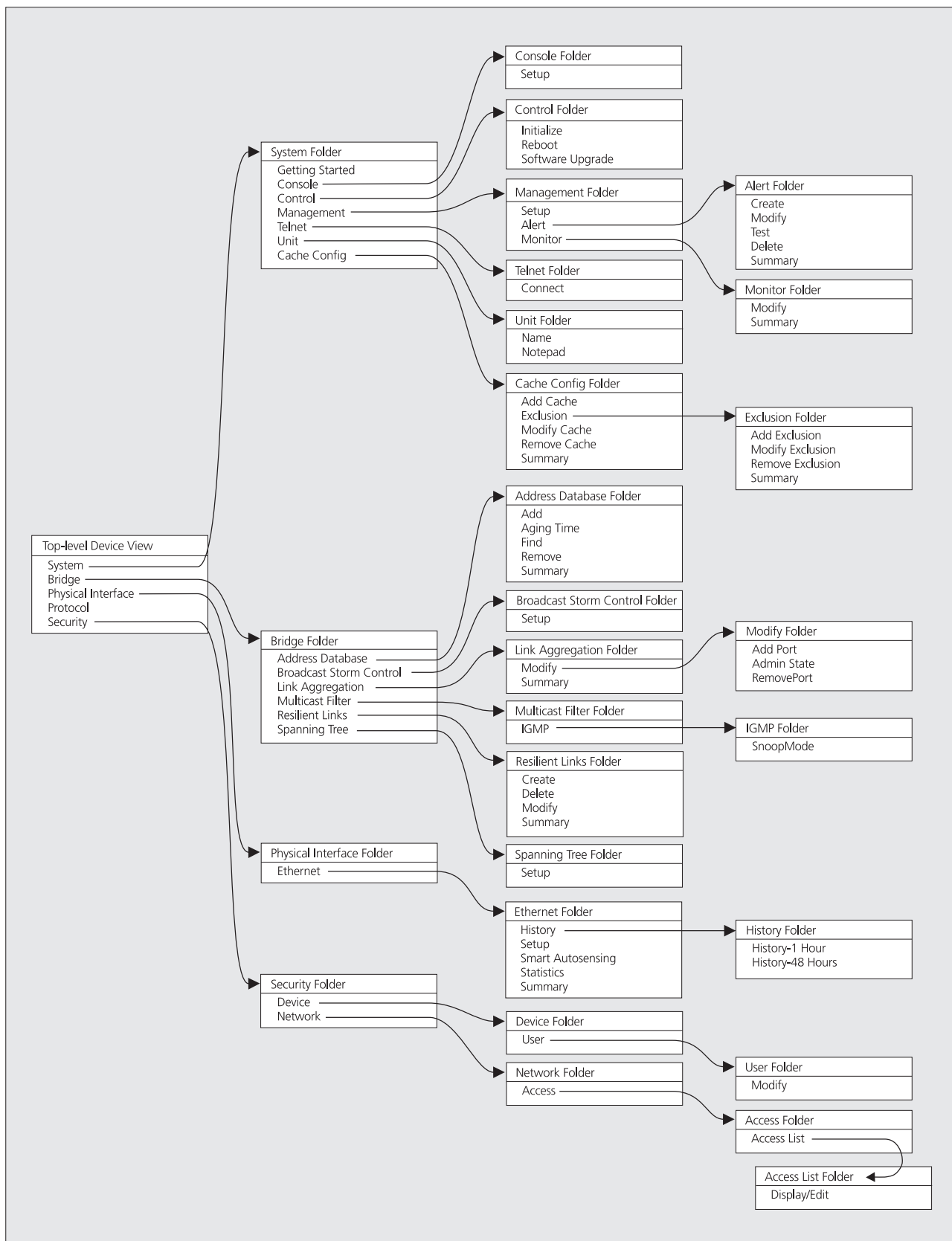
This table summarizes the software features that are supported by the Switch 4050 and 4060.

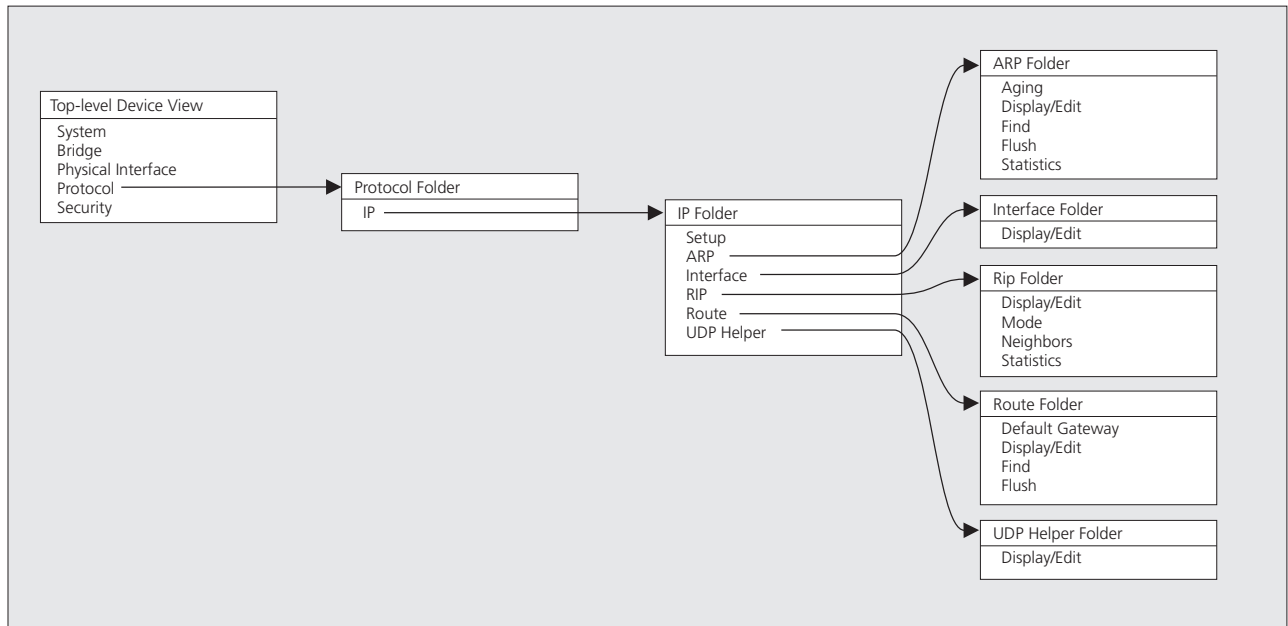
Feature	Switch 4050/4060
Automatic IP Configuration	Supported
Resilient Links	Supported
Aggregated Links	Support for four groups of four ports per unit
Broadcast Storm Control	Supported
Virtual LANs (VLANs)	Support for up to 30 VLANs using the IEEE 802.1Q standard
Multicast Filtering	128 Multicast filter groups supported IGMP filtering supported
Rapid Spanning Tree Protocol	Supported
Layer 3 Routing Protocol	Supported
Webcache Support	Supported
Quality of Service (QoS)	Supported
Email Notification of Events	Supported
RMON	Seven groups supported: Statistics, History, Alarms, Hosts, Hosts Top N, Matrix, Events
Management	Web interface, Command Line Interface, and SNMP supported



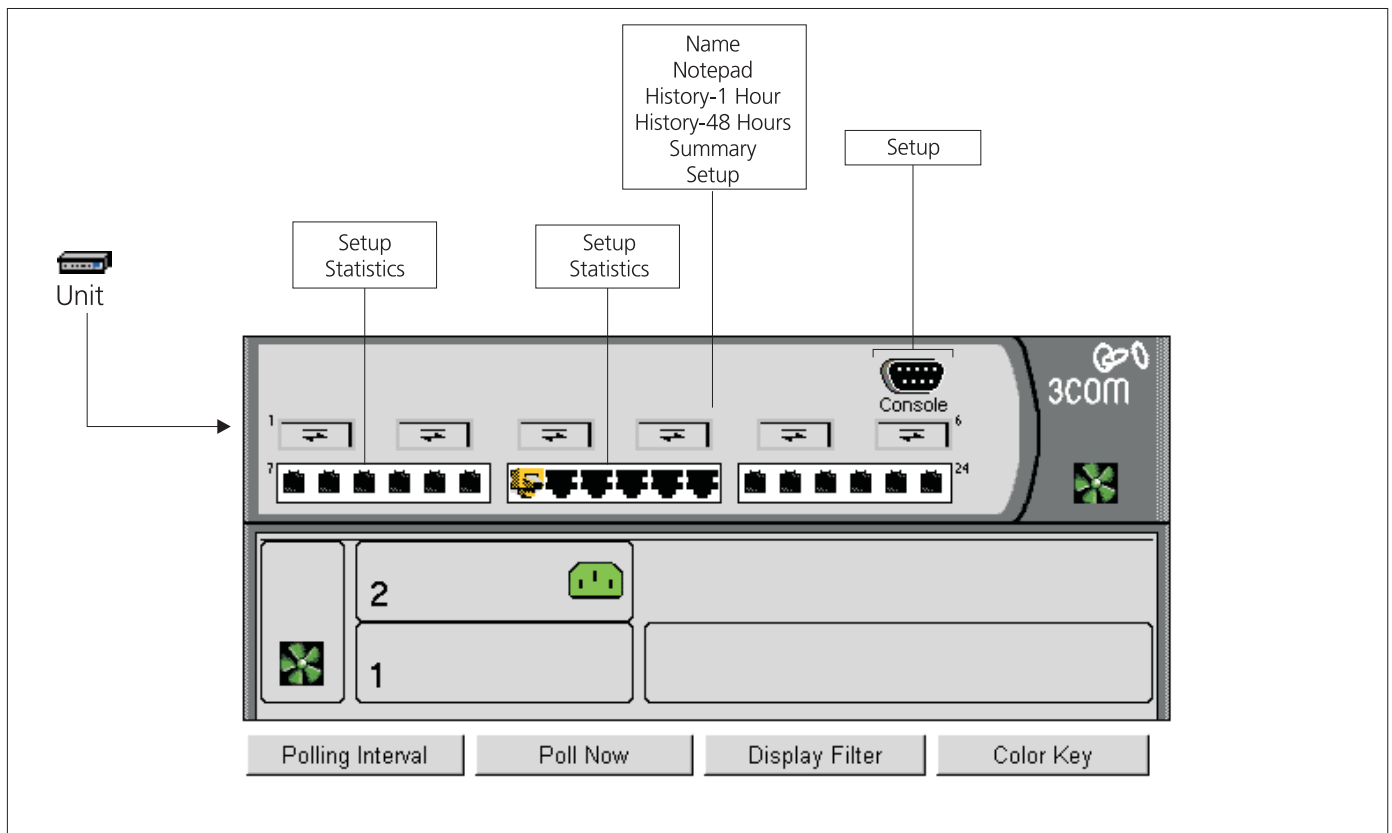
For further information on how each of these features operate on your Switch, refer to the Implementation Guide for your Switch.

Web Interface Map – Device View





Web Interface Device Mimic



For example purposes only, this graphic shows a Switch 4060.

A Quick Guide to the Web Interface Operations

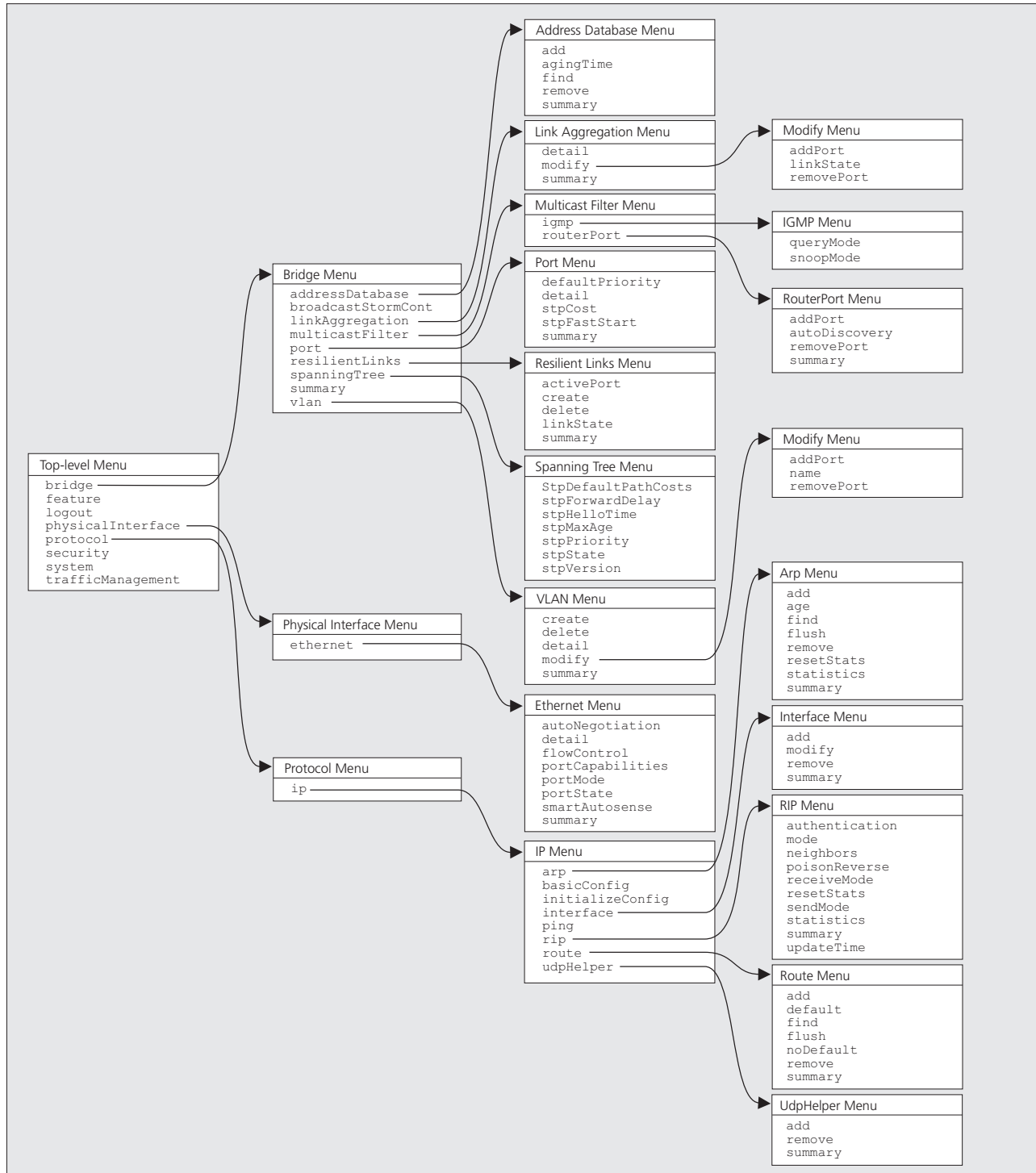
This table describes the operations that are available in the Web Interface.

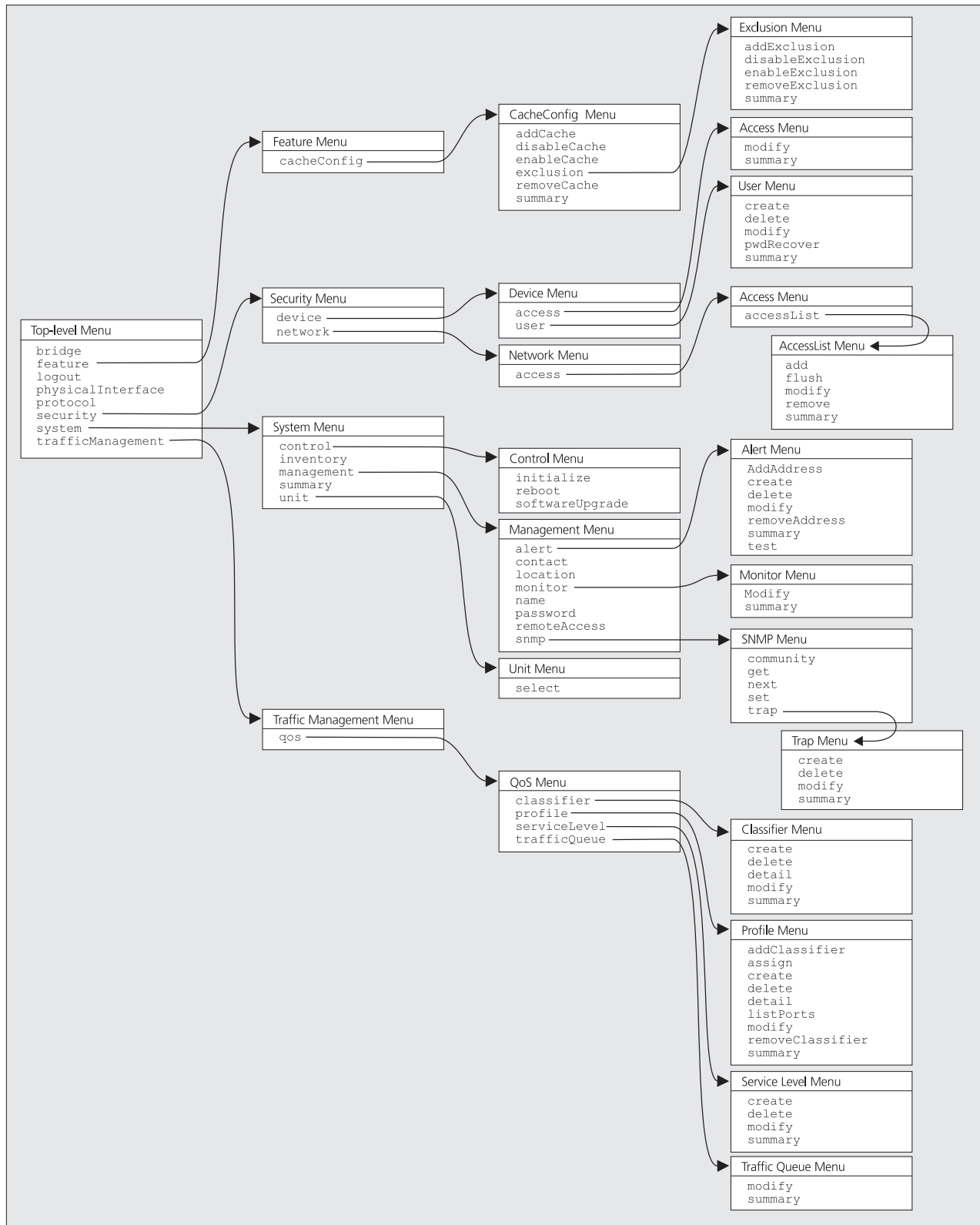
Operation	What does the Operation do?
System Getting Started	Guides you through the initial configuration of the unit.
System Console Setup	Configures the type, speed and flow of a console port.
System Control Initialize	Initializes the Switch to its factory default settings.
System Control Reboot	Resets the unit.
System Control Software Upgrade	Upgrades the software on the unit.
System Management Setup	Changes information for the unit.
System Management Alert Create	Creates and defines an email alert and its distribution.
System Management Alert Modify	Modifies an existing email alert and its distribution.
System Management Alert Test	Sends a test email alert.
System Management Alert Delete	Deletes an existing email alert.
System Management Alert Summary	Displays summary information for configured email alerts.
System Management Monitor Modify	Sets up a device or port to be monitored for email alerts.
System Management Monitor Summary	Displays summary information for devices or ports on which monitoring is enabled.
System Telnet Connect	Starts a Telnet session to the unit in a separate window.
System Unit Name	Assigns a name to the unit.
System Unit Notepad	Opens a notepad for the unit.
System Cache Config Add Cache	Adds the IP address of a Webcache to the network.
System Cache Config Exclusion Add Exclusion	Adds an IP address to the exclusion list.
System Cache Config Exclusion Modify Exclusion	Modifies an exclusion list.
System Cache Config Exclusion Remove Exclusion	Removes an IP address from the exclusion list.
System Cache Config Exclusion Summary	Displays summary information for excluded IP addresses.
System Cache Config Modify Cache	Modifies the Webcache information.
System Cache Config Remove Cache	Deletes a Webcache from the network.
System Cache Config Summary	Displays summary information for a Webcache set up on the network.
Bridge Address Database Add	Adds an address to the database.
Bridge Address Database Aging Time	Configures the aging period for the address database.
Bridge Address Database Find	Displays the location of a MAC address.
Bridge Address Database Remove	Deletes an address from the database.
Bridge Address Database Summary	Views all addresses that are stored against a particular port or aggregated link.
Bridge Broadcast Storm Control Setup	Configures Broadcast Storm Control parameters for the unit.
Bridge Link Aggregation Modify Add Port	Adds a port to an aggregated link.
Bridge Link Aggregation Modify Admin State	Changes the state of an aggregated link.
Bridge Link Aggregation Modify RemovePort	Deletes a port from an aggregated link.
Bridge Link Aggregation Summary	Lists all of the aggregated links in the unit.
Bridge Multicast Filter IGMP SnoopMode	Configures IGMP multicast learning for the unit.

Operation (Continued)	What does the Operation do?
Bridge Resilient Links Create	Creates a resilient link on the unit.
Bridge Resilient Links Delete	Deletes a resilient link that is configured on the unit.
Bridge Resilient Links Modify	Sets the main or standby link on a resilient pair as the active link.
Bridge Resilient Links Summary	Displays details of all resilient links that are currently configured on the unit.
Bridge Spanning Tree Setup	Configures spanning tree parameters.
Physical Interface Ethernet History History-1 Hour	Displays packet activity for all ports on a unit over the previous hour.
Physical Interface Ethernet History History-48 Hours	Displays packet activity for all ports on a unit over the previous 48 hours.
Physical Interface Ethernet Setup	Sets up single or multiple Ethernet ports.
Physical Interface Ethernet Smart Autosensing	Enables or disables smart autosensing for the unit.
Physical Interface Ethernet Statistics	Displays statistics for packet and error traffic on one or more ports.
Physical Interface Ethernet Summary	Displays summary information for the unit.
Protocol IP Setup	Configures the IP information for the unit.
Protocol IP ARP Aging	Sets the age time for dynamic ARP entries.
Protocol IP ARP Display/Edit	Displays the contents of the ARP table.
Protocol IP ARP Find	Finds an ARP entry in the ARP table.
Protocol IP ARP Flush	Deletes all dynamic entries from the ARP table.
Protocol IP ARP Statistics	Displays the ARP statistics.
Protocol IP Interface Display/Edit	Displays or edits the interfaces currently configured on the unit.
Protocol IP RIP Display/Edit	Displays or edits the RIP information on an interface.
Protocol IP RIP Mode	Enables or disables RIP operation and sets the RIP update time.
Protocol IP RIP Neighbors	Displays neighbor information.
Protocol IP RIP Statistics	Displays the RIP interface statistics.
Protocol IP Route Default Gateway	Configures the default gateway.
Protocol IP Route Display/Edit	Displays or edits the current static routes.
Protocol IP Route Find	Finds an existing route in the routing table.
Protocol IP Route Flush	Removes all learned routes.
Protocol IP UDP Helper Display/Edit	Displays or edits the configured UDP Helper Servers.
Security Device User Modify	Modifies the password of the current user.
Security Network Access AccessList Display/Edit	Displays or edits the configuration settings for the Access List.

Command Line Interface Map

- **To display sub-menus:**
At the *Select menu option* prompt, enter the name of the menu or menus.
- **To display parent menus:**
At the *Select menu option* prompt, enter `q`.
- **To display the Top-level menu:**
Press the [Esc] key.
- **To obtain help:**
At the *Select menu option* prompt, enter `?`.





A Quick Guide to the Command Line Interface Commands

This table describes the commands that are available in the Command Line Interface.

Command	What does the Command do?
<code>bridge addressDatabase add</code>	Adds a statically configured address.
<code>bridge addressDatabase agingTime</code>	Sets the bridge address aging time.
<code>bridge addressDatabase find</code>	Finds an address.
<code>bridge addressDatabase remove</code>	Removes an address.
<code>bridge addressDatabase summary</code>	Displays summary information on addresses.
<code>bridge broadcastStormCont</code>	Enables or disables broadcast storm control.
<code>bridge linkAggregation detail</code>	Displays detailed information on an aggregated link.
<code>bridge linkAggregation modify addPort</code>	Adds a port to an aggregated link.
<code>bridge linkAggregation modify linkState</code>	Enables or disables an aggregated link.
<code>bridge linkAggregation modify removePort</code>	Removes a port from an aggregated link.
<code>bridge linkAggregation summary</code>	Displays summary information on an aggregated link.
<code>bridge multicastFilter igmp queryMode</code>	Enables or disables IGMP query mode.
<code>bridge multicastFilter igmp snoopMode</code>	Enables or disables IGMP Multicast learning.
<code>bridge multicastFilter routerPort addPort</code>	Adds a statically configured router port.
<code>bridge multicastFilter routerPort autoDiscovery</code>	Enables or disables router port auto-discovery.
<code>bridge multicastFilter routerPort removePort</code>	Removes a router port.
<code>bridge multicastFilter routerPort summary</code>	Displays summary information on a router port.
<code>bridge port defaultPriority</code>	Sets the default 802.1D priority for untagged frames.
<code>bridge port detail</code>	Displays detailed information on a port.
<code>bridge port stpCost</code>	Sets the Spanning Tree path cost parameter.
<code>bridge port stpFastStart</code>	Enables or disables Spanning Tree fast start.
<code>bridge port summary</code>	Displays summary information on a port.
<code>bridge resilientLinks activePort</code>	Sets the active resilient link port.
<code>bridge resilientLinks create</code>	Creates a resilient link.
<code>bridge resilientLinks delete</code>	Deletes a resilient link.
<code>bridge resilientLinks linkState</code>	Enables or disables the resilient link pair.
<code>bridge resilientLinks summary</code>	Displays summary information on a resilient link pair.
<code>bridge spanningTree stpDefaultPathCosts</code>	Sets the bridge Spanning Tree default path costs.
<code>bridge spanningTree stpForwardDelay</code>	Sets the bridge Spanning Tree forward delay parameter.
<code>bridge spanningTree stpHelloTime</code>	Sets the bridge Spanning Tree hello time parameter.
<code>bridge spanningTree stpMaxAge</code>	Sets the bridge Spanning Tree maximum age parameter.
<code>bridge spanningTree stpPriority</code>	Sets the bridge Spanning Tree priority parameter.
<code>bridge spanningTree stpState</code>	Enables or disables Spanning Tree on a bridge.
<code>bridge spanningTree stpVersion</code>	Selects the version of Spanning tree to run on the bridge.
<code>bridge summary</code>	Displays bridge information for the unit.
<code>bridge vlan create</code>	Creates a VLAN.

Command (Continued)	What does the Command do?
<code>bridge vlan delete</code>	Deletes a VLAN.
<code>bridge vlan detail</code>	Displays detailed information on a VLAN.
<code>bridge vlan modify addPort</code>	Adds a port to a VLAN.
<code>bridge vlan modify name</code>	Names a VLAN.
<code>bridge vlan modify removePort</code>	Removes a port from a VLAN.
<code>bridge vlan summary</code>	Displays summary information on a VLAN.
<code>feature cacheConfig addCache</code>	Adds the IP address of a Webcache to the network.
<code>feature cacheConfig disableCache</code>	Disables redirection of a Webcache on the network.
<code>feature cacheConfig enableCache</code>	Enables redirection of a Webcache on the network.
<code>feature cacheConfig exclusion addExclusion</code>	Adds an IP address to the exclusion list.
<code>feature cacheConfig exclusion disableExclusion</code>	Disables the exclusion of an IP address.
<code>feature cacheConfig exclusion enableExclusion</code>	Enables the exclusion of an IP address.
<code>feature cacheConfig exclusion removeExclusion</code>	Removes an IP address from the exclusion list.
<code>feature cacheConfig exclusion summary</code>	Displays summary information for excluded IP addresses.
<code>feature cacheConfig removeCache</code>	Removes the IP address of a Webcache from the network.
<code>feature cacheConfig summary</code>	Displays summary information for the redirection feature.
<code>logout</code>	Allows you to logout from the CLI.
<code>physicalInterface ethernet autoNegotiation</code>	Enables or disables autonegotiation.
<code>physicalInterface ethernet detail</code>	Displays detailed information on an Ethernet port.
<code>physicalInterface ethernet flowControl</code>	Enables or disables flow control.
<code>physicalInterface ethernet portCapabilities</code>	Sets the port capabilities.
<code>physicalInterface ethernet portMode</code>	Sets the port speed and duplex mode.
<code>physicalInterface ethernet portState</code>	Enables or disables an Ethernet port.
<code>physicalInterface ethernet smartAutosense</code>	Enables or disables smart autosensing.
<code>physicalInterface ethernet summary</code>	Displays summary information on an Ethernet port.
<code>protocol ip arp add</code>	Adds a static ARP entry.
<code>protocol ip arp age</code>	Sets the age time for dynamic ARP entries.
<code>protocol ip arp find</code>	Finds an ARP entry in the ARP table.
<code>protocol ip arp flush</code>	Removes all dynamic entries from the unit.
<code>protocol ip arp remove</code>	Removes an ARP entry.
<code>protocol ip arp resetStats</code>	Resets the ARP statistics.
<code>protocol ip arp statistics</code>	Displays ARP statistics.
<code>protocol ip arp summary</code>	Displays the ARP table.
<code>protocol ip basicConfig</code>	Performs basic IP management configuration.
<code>protocol ip initializeConfig</code>	Resets the IP information to factory defaults.
<code>protocol ip interface add</code>	Adds a new IP interface.
<code>protocol ip interface modify</code>	Modifies IP interface information.
<code>protocol ip interface remove</code>	Removes an existing IP interface.
<code>protocol ip interface summary</code>	Displays summary information on the IP interface.

Command (Continued)	What does the Command do?
<code>protocol ip ping</code>	Polls remote devices.
<code>protocol ip rip authentication</code>	Specifies authentication passwords and sets the interface authentication mode.
<code>protocol ip rip mode</code>	Enables or disables the RIP operation.
<code>protocol ip rip neighbors</code>	Displays neighbor information.
<code>protocol ip rip poisonReverse</code>	Enables or disables poison reverse.
<code>protocol ip rip receiveMode</code>	Sets the interface receive mode.
<code>protocol ip rip resetStats</code>	Resets the RIP statistics.
<code>protocol ip rip sendMode</code>	Sets the interface send mode.
<code>protocol ip rip statistics</code>	Displays the RIP interface statistics.
<code>protocol ip rip summary</code>	Displays RIP information.
<code>protocol ip rip updateTime</code>	Sets the update time.
<code>protocol ip route add</code>	Adds a static route to the routing table.
<code>protocol ip route default</code>	Defines the default route.
<code>protocol ip route find</code>	Finds an existing route in the routing table.
<code>protocol ip route flush</code>	Removes all learned routes.
<code>protocol ip route noDefault</code>	Removes the default route.
<code>protocol ip route remove</code>	Removes an existing route.
<code>protocol ip route summary</code>	Displays summary information for the default route.
<code>protocol ip udpHelper add</code>	Creates UDP Helper servers by defining pairs of UDP ports and IP addresses.
<code>protocol ip udpHelper remove</code>	Removes a UDP Helper server.
<code>protocol ip udpHelper summary</code>	Displays information about the existing UDP Helper servers.
<code>security device access modify</code>	Modifies access rights.
<code>security device access summary</code>	Displays summary information on access rights.
<code>security device user create</code>	Creates a user.
<code>security device user delete</code>	Deletes a user.
<code>security device user modify</code>	Modifies a user.
<code>security device user pwdRecover</code>	Enables or disables password recovery.
<code>security device user summary</code>	Displays summary information on users.
<code>security network access accessList add</code>	Adds an access list rule.
<code>security network access accessList flush</code>	Removes all access list rules on a selected VLAN.
<code>security network access accessList modify</code>	Modifies an access list rule.
<code>security network access accessList remove</code>	Deletes an access list rule.
<code>security network access accessList summary</code>	Displays the current rules in the access list.
<code>system control initialize</code>	Resets to factory defaults.
<code>system control reboot</code>	Performs a system reboot.
<code>system control softwareUpgrade</code>	Performs an agent software upgrade.
<code>system inventory</code>	Displays information about the unit.
<code>system management alert AddAddress</code>	Adds an email address to an alert.

Command (Continued)	What does the Command do?
<code>system management alert create</code>	Creates an alert.
<code>system management alert delete</code>	Deletes an alert.
<code>system management alert modify</code>	Modifies an existing alert.
<code>system management alert removeAddress</code>	Removes an email address from an alert.
<code>system management alert summary</code>	Displays summary information for the alert settings.
<code>system management alert test</code>	Generates a test alert.
<code>system management contact</code>	Sets the system contact.
<code>system management location</code>	Sets the system location.
<code>system management monitor modify</code>	Modifies a monitored item.
<code>system management monitor summary</code>	Displays summary information for monitored items.
<code>system management name</code>	Sets the system name.
<code>system management password</code>	Sets the system password.
<code>system management remoteAccess</code>	Changes remote access permissions.
<code>system management snmp community</code>	Sets the SNMP community string.
<code>system management snmp get</code>	Gets SNMP objects.
<code>system management snmp next</code>	Gets the next SNMP objects.
<code>system management snmp set</code>	Sets SNMP objects.
<code>system management snmp trap create</code>	Creates a trap destination.
<code>system management snmp trap delete</code>	Deletes a trap destination.
<code>system management snmp trap modify</code>	Modifies a trap destination.
<code>system management snmp trap summary</code>	Displays summary information on a trap destination.
<code>system summary</code>	Displays the administration details for the unit.
<code>system unit select</code>	Inputs commands to another unit.
<code>trafficManagement qos classifier create</code>	Creates a classifier.
<code>trafficManagement qos classifier delete</code>	Deletes a classifier.
<code>trafficManagement qos classifier detail</code>	Displays detailed classifier information.
<code>trafficManagement qos classifier modify</code>	Modifies a classifier.
<code>trafficManagement qos classifier summary</code>	Displays summary information on classifiers.
<code>trafficManagement qos profile addclassifier</code>	Adds a classifier to a QoS profile.
<code>trafficManagement qos profile assign</code>	Assigns QoS profiles to ports.
<code>trafficManagement qos profile create</code>	Creates a QoS profile.
<code>trafficManagement qos profile delete</code>	Deletes a QoS profile.
<code>trafficManagement qos profile detail</code>	Displays detailed information about a QoS profile.
<code>trafficManagement qos profile listPorts</code>	Lists all ports with their associated QoS profiles.
<code>trafficManagement qos profile modify</code>	Modifies a QoS profile.
<code>trafficManagement qos profile removeclassifier</code>	Removes a classifier from a QoS profile.
<code>trafficManagement qos profile summary</code>	Displays a summary of QoS profiles.
<code>trafficManagement qos serviceLevel create</code>	Creates a service level.
<code>trafficManagement qos serviceLevel delete</code>	Deletes a service level.

Command (Continued)	What does the Command do?
<code>trafficManagement qos serviceLevel modify</code>	Modifies a service level.
<code>trafficManagement qos serviceLevel summary</code>	Displays summary information on service levels.
<code>trafficManagement qos trafficQueue modify</code>	Modifies the number of traffic queues.
<code>trafficManagement qos trafficQueue summary</code>	Displays summary information on traffic queues.
