cnMatrix IPv6 Management Parameters and Commands

Commands	Description	CLI Mode
`ipv6 enable`	Enables IPv6 processing on an interface that has not been configured with an explicit IPv6 address. Important notice: Only one IPv6 interface is supported for switch management.	Interface Configuration
`no ipv6 unicast-routing`	Important notice: This command must be issued for IPv6 interface to function in IPv6 Host Mode. Router Advertisement (RA) packets will be processed only if this command is issued.	Global Configuration
`ipv6 address <prefix> <prefix Len> [{unicast	eui64}]`	Configures IPv6 address on the interface.	Interface Configuration
`ipv6 address dhcp`	Enables DHCPv6 client functionality on the IPv6 interface.	Interface Configuration
`ipv6 neighbor <prefix> {vlan <vlan-id>	<interface-type> <interface-id>} <MAC ADDRESS (xx:xx:xx:xx:xx:xx)>`	Configures a static entry in the IPv6 neighbor cache table.	Global Configuration
`ipv6 nd dad attempts <no of attempts (1-10)>`	Sets the number of duplicate address detection (dad) attempts, where the maximum number of neighbor solicitations sent for the purpose of duplicate address detection on a tentative address. The value of the number of duplicate address detection attempt ranges between 1 and 10.	Interface Configuration
`ipv6 icmp error-interval <milliseconds(1-65535)> [<bucketsize(1-200)>]`	Configures ICMPv6 (Internet Control Message Protocol) error rate limit for limiting the rate at which IPv6 ICMP error messages are sent out on the network. The maximum number of tokens allowed in the bucket can be specified, and for every error message to be sent, one token is removed from the bucket. If a series of error messages is generated, error messages can be sent until the bucket is empty. When the bucket is empty of tokens, IPv6 ICMP error messages are not sent until a new token is placed in the bucket.	Interface Configuration
`ipv6 icmp dest-unreachable { enable	disable }`	Enables or disables ICMPv6 destination unreachable messages on the interface that has been configured.	Interface Configuration
`show ipv6 interface`	Displays IPv6 interface related information.	Privileged EXEC
`show ipv6 neighbors [summary]`	Displays IPv6 Neighbor Cache entries.	Privileged EXEC
`show ipv6 traffic`	Displays IPv6 ICMP and UDP statistics.	Privileged EXEC