Contents

Introduction 1

About this Document

This document provides details on using the Command Line Interface (CLI) to initialize, configure, and manage network operation of the Access Point.

- CLI Commands may be entered in real time through a keyboard, or submitted with CLI scripts.
- The CLI is available through both the Serial Port Interface and the Ethernet Interface.

NOTE:

All CLI Commands and Parameters are case sensitive.

Prerequisite skills and knowledge

To use this document effectively, you should have a working knowledge of Local Area Networking (LAN) concepts, network access infrastructures, and client-server relationships. In addition, you should be familiar with software setup procedures for typical network operating systems and servers.

Notation Conventions

- Computer prompts are shown as constant width type. For example: `[Device name]>`
- Information that you input as shown is displayed in bold constant width type. For example: `[Device name]>` **`set ipaddr 10.0.0.12`**
- The names of keyboard keys, software buttons, and field names are displayed in bold type. For example: Click the **Configure** button
- Screen names are displayed in bold italics. For example, the ***System Status*** screen.

Command Line Interface (CLI) Overview

Administrators use the CLI to control Access Point operation and monitor network statistics. This guide describes working with network parameters to configure the Access Point, and does not cover network statistics in detail. Network Statistics typically show read-only counters of low-level elements, such as transmission retries, byte counts, and so on.

CLI Variations

The AP-3 supports two types of CLI; the "Bootloader" variation and the normal CLI.

The Bootloader CLI provides a limited command set, and is used when the current AP Image is bad or missing. The Bootloader CLI allows you to assign an IP Address and download a new image. Once the image is downloaded and running, the Access Point uses the normal CLI.

This guide provides procedures for using the Bootloader CLI in the “Procedures” section; otherwise, the guide covers the normal CLI.

Important terminology

- Config Files - Database files containing the current Access Point configuration. Configuration items include the IP Address and other network-specific values. Config files may be downloaded to the Access Point or uploaded for backup or troubleshooting.
- Download Vs. Upload - Downloads transfer files to the Access Point. Uploads transfer files from the Access Point. The TFTP server performs file transfers in both directions.
- Group - A logical collection of network parameter information. For example, the System Group is composed of several related parameters. Groups can also contain Tables. All items for a given Group can be displayed with a “show” <Group> CLI Command.
- Image File - The Access Point software executed from RAM. To update an Access Point you typically download a new Image File. This file is often referred to as the "AP Image".
- Parameter - A fundamental network value that can be displayed and may be changeable. For example, the Access Point must have a unique IP Address and the Radio PC Cards must know which channel to use. Change parameters with the CLI set Command, and view them with the CLI show Command
- Table - Tables hold parameters for several related items. For example, you can add several potential managers to the SNMP IP Access Table. All items for a given Table can be displayed with a show <Table> CLI Command.
- TFTP - Refers to the TFTP Server, used for file transfers.

CLI Command types

This guide divides CLI Commands into two categories: Operational and Parameter Control.

Operational CLI Commands

This type affects Access Point behavior, such as downloading, rebooting, and so on. After entering commands (and parameters if any) press the Enter key to execute the Command Line.

Operational commands include.

- ? - (Question Mark) Lists CLI Commands or parameters, depending on usage.
- done, exit, quit - Terminates the CLI session
- download - Uses TFTP server to download "image", "config", or “bootloader upgrade” files to Access Point.
- help - Displays general CLI help information or command help information, such as command usage and syntax
- history - Remembers commands to help avoid re-entering complex statements
- passwd - Sets the Access Point CLI password
- reboot - Reboots the Access Point in specified time
- search - Lists the parameters in a specified Table
- upload - Uses TFTP server to upload "config" files from Access Point to TFTP default directory or specified path.

Parameter Control Commands

The two Parameter Control Commands are show and set. These allow you to view (show) all parameters and statistics, and to change (set) parameters.

- show - To see any Parameter or Statistic values, you specify a single parameter, a Group, or a Table. Fore more details, refer to "set and show command examples" later in this guide.
- set - Use this CLI Command to change parameter values. You can use a single CLI Statement to modify Tables, or modify each parameter separately. Fore more details, refer to "set and show command examples" later in this guide.

The following sections cover each CLI Command, and include several tables showing parameter properties.

Operational Commands 2

? (List Commands) CLI Command

This command has varied uses to display commands and parameters, depending on the operation in which it is used.

The following table lists each operation and provides a basic example. Following the table are detailed examples and display results for each operation.

Operation	Basic Example
Display the Command List (Example 1).	`[Device Name]>?`
Display commands that start with specified letters (Example 2).	`[Device Name]>s?`
Display parameters for set and show Commands (Examples 3a and 3b)	`[Device Name]>show ?` `[Device Name]>show ipa?`
Prompt to enter successive parameters for Commands (Example 4).	`[Device Name]>download ?`

Example 1. Display Command list

To display the Command List, enter only "?"

```
[Device Name]>?
```

show
set
download
upload
reboot
passwd
help
quit
done
exit
history
search

Example 2. Display specific Commands

To show all commands that start with specified letters, enter one or more letters, then the "?" with no space between letters and "?".

```
[Device Name]>s?
```

show set search

Example 3. Display parameters for set and show

Example 3a allows you to see every possible parameter for the set (or show) commands. Notice from example 3a that the list is very long. Example 3b shows how to display a subset of the parameters based on initial parameter letters.

Example 3a. Display every parameter that can be changed

```
[Device Name]>set ?
```

sysctemail

sysctphone

etherspeed

ipaddrtype

.

.

.

iparpfltipaddr

Example 3b. Display parameters based on letter sequence

This example shows entries for parameters that start with the letter "i". The more letters you enter, the fewer the results returned. Notice that there is no space between the letters and the question mark.

```
[Device Name]> show i?
```

ipaddrtype iappstatus iappannint
ip iapphandtout iapphandretx
ipgw iapp ipttl
iappannreqstart ipaddr ipsubmask
iparpstatus iparpfltstatus iparpfltipaddr
iparpfltsubmsk iparp

```
[Device Name]> show ip?
```

ipaddrtype ip ipgw
ipttl ipaddr ipsubmask
iparpstatus iparpfltstatus iparpfltipaddr
iparpfltsubmsk iparp

```
[Device Name]> show ipa?
```

ipaddrtype ipaddr iparpstatus
iparpfltstatus iparpfltipaddr iparpfltsubmsk
iparp

```
[Device Name]> show ipar?
```

iparpstatus iparpfltstatus iparpfltipaddr
iparpfltsubmsk iparp

Example 4. Display Prompts for Successive Parameters

Enter the command, a space, and then "?". Then, when the parameter prompt appears, enter the parameter value. Result: The parameter is changed and a new CLI line is echoed with the new value (in the first part of the following example, the value is the IP Address of the TFTP server).

After entering one parameter, you may add another "?" to the new CLI line see the next parameter prompt, and so on until you enter all parameters. The following example shows how this is used for the "download" Command. The last part of the example shows the completed download Command ready for execution.

```
[Device Name]> download ?
      <TFTP IP Address>
[Device Name]> download 10.0.0.2 ?
      <File Name>
[Device Name]> download 10.0.0.2 apimage ?
      <file_type (config/bin)>
[Device Name]> download 10.0.0.2 apimage bin
```

done, exit, quit CLI Commands

Each command disconnects the CLI Session.

```
[Device Name]> done
[Device Name]> exit
[Device Name]> quit
```

download CLI Command

Downloads the specified file from TFTP server to the Access Point. Executing 'download' in combination with the asterisks character, “*”, will make use of the previously set TFTP parameters. Executing download without parameters will display command help and usage information. To see a list of available files to download, enter a question mark (?) after download (example: download ?).

1. Syntax to download a file:

`[Device Name]>`**`download <tftpserveraddress> <path and filename> <filetype>`**

Example:

`[Device Name]>`**`download 192.168.1.100 APImage2 bin`**

2. Syntax to display help and usage information:

`[Device Name]>`**`download`**

3. Syntax to execute the download Command using previously set (stored) TFTP Parameters:

`[Device Name]>`**`download *`**

help CLI Command

Displays instructions on using control-key sequences for navigating a Command Line, and displays command information and examples.

1. Using help as the only argument:

```
[Device Name]>help
```

Special keys supported:

Arrow Keys

DEL, BS .... delete previous character

Ctrl-A... go to beginning of line

Ctrl-E .... go to end of line

Ctrl-F .... go forward one character

Ctrl-B .... go backward one character

Ctrl-D .... delete current character

Ctrl-U, X .. delete to beginning of line

Ctrl-K .... delete to end of line

Ctrl-W ..... delete previous word

Ctrl-T ..... transpose previous character

Ctrl-P .... go to previous line in history buffer

Ctrl-N .... go to next line in history buffer

Tab .... will attempt command completion

? .... will provide command listing

Examples:

'?' list all the supported commands and brief description

'sh?' **list all commands that start with sh**

'show ?' **list all arguments to the show command**

'sh<TAB>' **complete the 'show' command**

2. Complete command description and command usage can be provided by:

```
[Device Name]>help <command name>
[Device Name]><command name> help
```

history CLI Command

Shows content of Command History Buffer. The Command History Buffer stores command statements entered in the current session.

To avoid re-entering long command statements, use the keyboard "up arrow" and "down arrow" keys to recall pervious statements from the Command History Buffer.

When the desired statement reappears, press the "Enter" key to execute, or you may edit the statement before executing it.

```
[Device Name]> history
```

passwd CLI Command

Changes the CLI Password.

```
[Device Name]> passwd oldpassword newpassword newpassword
```

reboot CLI Command

Reboots Access Point after specified number of seconds. Specify a value of 0 (zero) for immediate reboot.

```
[Device Name]> reboot 0
```

```
[Device Name]> reboot 30
```

search CLI Command

Lists the members of the specified table. This list corresponds to the table information displayed in the HTTP Interface. In this example, the CLI returns the same SNMP table items displayed in the HTTP Interface SNMP Access Table.

[Device Name]> **search snmpipaccesstbl**

The supported elements are:

index

ipaddr

submask

if

cmt

status

upload CLI Command

Uploads the specified file from AP-3 to TFTP Server directory. Executing ‘upload” with the asterisks, “*”, character will make use of the previously set/ stored TFTP parameters. Executing 'upload' without parameters will display command help and usage information.

1. Syntax to upload a file:

```
[Device Name]>upload <tftpserveraddress> <path and filename> <filetype>
```

Example:

```
[Device Name]>upload 192.168.1.100 APImage2 bin
```

2. Syntax to display help and usage information:

```
[Device Name]>help upload
```

3. Syntax to execute the upload command using previously set (stored) TFTP Parameters:

```
[Device Name]>upload *
```

Parameter Control CLI Commands

3

CLI "set" and "show" examples

In general, you will use the CLI "show" Command to view current parameter values, and use the CLI "set" Command to change parameter values. As shown in the following six examples, parameters may be set individually, and all parameters for a given table can be set with a single statement.

Example 1 - Set the Access Point 3 IP Address Parameter:

Syntax:

`[Device Name]>`**`set <parameter name> <parameter value>`**

Example:

`[Device Name]>` **`set ipaddr 10.0.0.12`**

Result: IP Address will be changed when you reboot the Access Point. The CLI reminds you when rebooting is required for a change to take effect. To reboot immediately, enter "**`reboot 0`**" (zero) at the CLI prompt.

Example 2 - Create a table entry or row:

Use 0 as the index to the table when creating an entry. When creating a table row, only the mandatory table elements are required (comment is usually an optional table element). There are other optional table elements, which, if not entered, the default value applies.

Syntax:

[Device Name]>**set <table name> <table index> <element 1> <value 1> …. <element n> <value n>**

Example:

[Device Name]> **set snmpipacctbl 0 ipaddr 10.0.0.10 submask 255.255.0.0**

Result: The SNMP Table (Index 0) "IP Address" and "Subnet Mask" parameters are assigned 10.0.0.10 and 255.255.0.0, respectively.

Example 3 - Modify a table entry or row:

Use the index to be modified and the table elements you would like to modify. For example, suppose the SNMP IP Access table has one entry and you wanted to modify the IP Address:

```
[Device Name]>set snmpipacctbl 1 ipaddr 10.0.0.11
```

You can also modify several elements in the table entry. Enter the index number and specific table elements you would like to modify. Hint: Use the search Command to see the elements that belong to the table.

```
[Device Name]>set snmipacctbl 1 ipaddr 10.0.0.12 submask
255.255.255.248 cmt “First Row”
```

Example 4 - Enable, Disable, or Delete a table entry or row:

In this example you would like to manage the second table row/entry.

Syntax:

```
[Device Name]>set <Table> index <enable, disable, delete>
[Device Name]>set <Table> index status <1, 2, 3>
```

Example:

```
[Device Name]>set snmpipacctbl 2 enable
[Device Name]>set snmpipacctbl 2 disable
[Device Name]>set snmpipacctbl 2 delete
[Device Name]>set snmpipacctbl 2 status 2
```

Status codes for the second syntax example are: 1 = enable, 2 = disable, 3 = delete.

Example 5 - Show the Group Parameters:

In this example you can view all elements of a group or table.

Syntax:

`[Device Name]>` **`show <group name>`**

Example:

`[Device Name]>`**`show network`**

Result: The CLI displays network group parameters. Note that **`show network`** and **`show ip`** work the same.

Example 6 - Show Individual and Table Parameters:

1. View a single parameter

Syntax:

`[Device Name]>`**`show <parameter name>`**

Example:

`[Device Name]>` **`show ipaddr`**

Result: Displays the Access Point IP Address.

2. View all parameters in a table

Syntax:

`[Device Name]>` **`show <table name>`**

Example:

`[Device Name]>` **`show snmpipacctbl`**

Result: Displays the Access Point SNMP IP Access Table and its entries.

Using Tables & User Strings

Working with Tables

Each member of the table must be specified, as in the example below.

`[Device Name]>` **`set snmpipacctbl 0 submask 255.255.0.0 ipaddr 10.0.0.10`**

Using Strings

When entering a string, you must use single or double quotation marks if there are any spaces in the string. For example:

`[Device Name]>` **`set sysname Lobby`** - Does not need quote marks

`[Device Name]>` **`set sysname "Front Lobby"`** - Requires quote marks

set CLI Command

Sets (modifies) the value of given parameter. To see a definition and syntax example, type only set and then press the Enter key. To see a list of available parameters, enter a space, then a question mark (?) after set (example: set ?).

Syntax:

```
[Device Name]>set <Parameter> <Val>
```

```
[Device Name]>set <Table> <Index> <Arg1> <Val1> ... <ArgN> <ValN>
```

Example:

```
[Device Name]>set sysloc "Main Lobby"
```

```
[Device Name]>set snmpipacctbl 0 ipaddr 10.0.0.10 submask 255.255.0.0
```

show CLI Command

Displays the value of specified parameter, or displays all parameter values of a specified group (parameter table). Groups contain Parameters and Tables. Tables contain parameters for a series of similar entities.

To see a definition and syntax example, type only show and then press the Enter key. To see a list of available parameters, enter a question mark (?) after show (example: **`show ?`**).

Syntax:

`[Device Name]>`**`show <Parameter>`**

`[Device Name]>`**`show <Group>`**

`[Device Name]>`**`show <Table>`**

Examples:

`[Device Name]>`**`show ipaddr`**

`[Device Name]>`**`show network`**

`[Device Name]>`**`show snmpipacctbl`**

Parameter Organization

Objects contain groups that contain both parameters and parameter tables.

Use the following Tables to configure the Access Point. The Access Point CLI is under development as this document is being prepared; therefore, some table cells are blank where a feature has not yet been implemented or information needs validation. Columns used on the tables include:

- Name - Parameter, Group, or Table Name
- Type - Data type
- Values - Value range, and default value, if any
- ACC. - Indicates access type. R = Read Only (show), RW = Read-Write, can be "set", W = Write Only
- CLI Parameter - Parameter name as used in the Access Point
- Verify or Config at Setup - Use this column to help focus on critical parameters when initializing and setting up Access Points.

Access Point network objects are associated with Groups. The network objects are listed below and associated parameters are described in the following Parameter Tables:

- System - Access Point system information
- Network - IP and Ethernet information
- Wireless Interface – Wireless Interface (or you can say Wireless Card) Information
- SNMP - Management information
- RADIUS - RADIUS Authentication and Accounting information

- Telnet - Telnet Port setup
- Serial Port - Serial Port setup
- TFTP - Set up for file transfers. Specify IP Address, file name, and file type.
- HTTP - Use the graphical web browser interface
- Link Integrity - Monitor link status
- Wireless Interface Security - Security settings
- Ethernet Filtering - Enable and disable specific addresses
- Static MAC Address Filtering - Enable and disable specific addresses
- Spanning Tree - Used to help prevent network loops
- Storm Threshold - Set multicast rate
- MAC Access - Control access my Media Access Control number
- DHCP Server - Enable or disable dynamic host configuration

Parameter Organization

Access Point Parameter Tables

4

System Parameters

Name	Type	Values	ACC.	CLI Parameter
System	Group	N/A	R	system
Name	DisplayString	User Defined	RW	sysname
Location	DisplayString	User Defined	RW	sysloc
Contact Name	DisplayString	User Defined	RW	sysctname
Contact Email	DisplayString	User Defined	RW	sysctemail
Contact Phone	DisplayString	User Defined	RW	sysctphone
FLASH Backup Interval	Integer	Seconds	RW	sysflashbckint
Flash Update		0 1	RW	sysflashupdate
Emergency Restore to defaults		Resets Access Point	RW	sysresettodefaults
Descriptor	DisplayString	User Defined	R	none
Up Time	Integer	dd:hh:mm:ss dd – days hh – hours mm – minutes ss – seconds	R	none

Inventory Management Parameters

Name	Type	Values	ACC.	CLI Parameter
Inventory Management Parameters	Groups	N/A	R	sysinvmgmt
Serial Number	DisplayString	N/A	R	None
Name	DisplayString	N/A	R	None
ID	Integer	N/A	R	None
Major Version	Integer	N/A	R	None
Minor Version	Integer	N/A	R	None

Network Parameters

Name	Type	Values	ACC.	CLI Parameter
Network	Group	N/A	R	network
IP Address	IpAddress	User Defined	RW	ipaddr
Subnet Mask	IpAddress	User Defined	RW	ipsubmask
Default Router IP Address	IpAddress	User Defined	RW	ipgw
Default TTL	Integer	User Defined	RW	ipttl
Address Type	Integer	static (default) dynamic (future release)	RW	ipaddrtype

Wireless Interface Parameters

The Wireless interface parameters are given the following table. Since some Avaya Wireless devices support two PC Card slots, we differentiate the two cards by using the table index.

The wireless interface group parameter is wif, which displays the objects associated with both Avaya Wireless PC Card PC Card A and B.

Name	Type	Values	ACC.	CLI Parameter
Wireless Interface – PC Card A and B	N/A	N/A	R	wif
Wireless Interface – PC Card A	N/A	N/A	R	Interface 3
Wireless Interface – PC Card B	N/A	N/A	R	Interface 4
Network Name	DisplayString	2 – 31 characters	RW	netname
Distance between APs	Integer	Large Medium Small	RW	distaps
Interference Robustness	Integer	enable disable	RW	interrobust
DTIM Period	Integer	1 – 65535 sec	RW	dtimperiod
Operating Frequency Channel	Integer	Depends on Card Support	RW	channel

Name	Type	Values	ACC.	CLI Parameter
RTS/CTS Medium Reservation	Integer	0 – 2347	RW	medres
Multicast Rate	Integer	1 Mbit/sec 2 Mbit/sec 5.5 Mbit/sec 11 Mbit/sec	RW	multrate
Closed Wireless System	Integer	enable disable	RW	closedsys
Load Balancing	Integer	enable disable	RW	ldbalance
Medium Distribution	Integer	enable disable	RW	meddendistrib
MAC Address	PhyAddress	12 hex digits	R	macaddr

SNMP Parameters

Name	Type	Values	ACC.	CLI Parameter
SNMP	Group	N/A	R	snmpstatus
Read Password	DisplayString	User Defined public (default)	W	snmprpasswd
Read/Write Password	DisplayString	User Defined public (default)	W	snmprwpasswd
SNMP Trap Host Table	N/A	N/A	RW	snmptraphosttbl
SNMP IP Access Table	N/A	N/A	RW	snmpipaccesstbl

SNMP IP Access Table Arguments

When creating table entries, you may either specifying the argument name followed by argument value or simply entering the argument value.

When only the argument value is specified, then enter the values in the order depicted by the following table. CLI applies default values to the omitted arguments. Due to the nature of the information, the only argument that can be omitted comment argument.

Name	Type	Values	ACC.	CLI Parameter
SNMP IP Access Table	N/A	N/A	R	snmpipaccesstbl
Table Index	Integer	User Defined	N/A	index
IP Address	IpAddress	User Defined	RW	ipaddr
Subnet Mask	IpAddress	User Defined	RW	submask
Interface	Integer	Ethernet PC Card A PC Card B	RW	if
Comment	DisplayString	User Defined	RW	cmt
Status	Integer	enable disable delete	RW	status

SNMP Table Host Table Arguments

When creating table entries, you may either specifying the argument name followed by argument value. CLI applies default values to the omitted arguments. Due to the nature of the information, the only argument that can be omitted is the comment argument.

Name	Type	Values	ACC.	CLI Parameter
SNMP Trap Host Table	N/A	N/A	R	snmptraphosttbl
Table Index	Integer	User Defined	N/A	index
IP Address	IpAddress	User Defined	RW	ipaddr
Password	DisplayString	User Defined	W	passwd
Comment	DisplayString	User Defined	RW	cmt
Status	Integer	enable disable delete	RW	status

Primary and Secondary RADIUS Parameters

Avaya Wireless devices that use RADIUS authentication and/or accounting support both primary and secondary RADIUS servers. The configuration parameters and statistics are the same for both primary and secondary servers. The CLI differentiates the primary and secondary RADIUS parameters by using the table index.

Name	Type	Values	ACC.	CLI Parameter
RADIUS	Table	N/A	R	radiustbl
Primary RADIUS	N/A	N/A	R	
Secondary RADIUS	N/A	N/A	R	index 1
Primary RADIUS Status	Integer	enable (default) disable	RW	index 2
Service Type	Integer	Authentication Accounting Auth & Accounting	R	type
Server IP Address	IpAddress	User Defined	RW	ipaddr
Authentication Life Time *	Integer	User Defined	RW	radauthlifetm
MAC Access Control				radmacaccctrl

Primary and Secondary RADIUS Parameters

Name	Type	Values	ACC.	CLI Parameter
Authentication Port	Integer	User Defined 1812 (default)	RW	port
Shared Secret	DisplayString	User Defined	W	ssecret
Response Time (sec)	Integer	1 – 4 seconds 3 (default)	RW	responsetm
Maximum Retransmissions	Integer	1 – 10 3 (default)	RW	maxretx

Telnet Parameters

Name	Type	Values	ACC.	CLI Parameter
Telnet	N/A	N/A	R	telnet
Telnet Sessions	Integer	0 - 5	RW	telsessions
Telnet Port	Integer	User Defined 23 (default)	RW	telport
Telnet Login Inactivity Timeout	Integer	1 – 60 seconds 30 (default)	RW	tellogintout
Telnet Session Idle Timeout	Integer	1 - 900 seconds 900 (default)	RW	telsessiontout

Serial Parameters

Name	Type	Values	ACC.	CLI Parameter
Serial	N/A	N/A	R	serial
Baud Rate	Integer	2400 4800 9600 (default) 19200 38400 57600 115200 Auto	RW	serbaudrate
Data Bits	Integer	4 5 7 6 8 (default)	R	serdatabits
Parity	Integer	even odd none (default) mark space	R	serparity
Stop Bits	Integer	1	R	serstopbits
Flow Control	Value	none (default) Xon/Xoff	RW	serflowctrl

TFTP Parameters

These parameters relate to upload and download commands.

When a user executes an upload and/or download Command, the specified arguments are stored in TFTP parameters for future use. If nothing is specified in the command line when issuing subsequent upload and/or download commands, the stored arguments are used.

Name	Type	Values	ACC.	CLI Parameter
TFTP	N/A	N/A	R	tftp
TFTP Server IP Address	IpAddress	User Defined	RW	tftpipaddr
TFTP File Name	DisplayString	User Defined	RW	tftpfilename
TFTP File Type	Integer	bin (img) config bspbl	RW	tftpfiletype

HTTP (web browser) Parameters

Name	Type	Values	ACC.	CLI Parameter
HTTP	N/A	N/A	R	http
HTTP Server Status	Integer	enable (default) disable	RW	httpstatus
HTTP Password	DisplayString	User Defined	W	httppasswd
HTTP Port	Integer	User Defined Default = 80	RW	httpport

Link Integrity Group

Name	Type	Values	ACC.	CLI Parameter
Link Integrity	Group	N/A	R	linkint
Link Integrity Status	Integer	enable (default) disable	RW	linkintstatus
Link Integrity Poll Interval	Integer	User Defined Default = 500 ms	RW	linkintpollint
Link Integrity Poll Retransmissions	Integer	User Defined	RW	linkintpollretx
Link Integrity IP Target Table	N/A	N/A	R	linkinttbl

Link Integrity IP Target table

Name	Type	Values	ACC.	CLI Parameter
Link Integrity IP Target Table	N/A	N/A	R	linkinttbl
Table Index	Integer	User Defined	N/A	index
Target IP Address	IpAddress	User Defined	RW	targetipaddr
Comment	DisplayString	User Defined	RW	cmt
Status	Integer	enable disable delete	RW	status

Wireless Interface Security Parameters

The following table details the specific wireless interface parameters for the AP-3.

Name	Type	Values	ACC.	CLI Parameter
Security Table	Table		R	wifsec
Index	Integer	3 = PC Card A 4 = PC Card B	n/a	n/a
Enable Encryption	Integer	enable disable	RW	encrypt
Encryption Key 1	DisplayString	User Defined	W	encryptkey1
Encryption Key 2	DisplayString	User Defined	W	encryptkey2
Encryption Key 3	DisplayString	User Defined	W	encryptkey3
Encryption Key 4	DisplayString	User Defined	W	encryptkey4
Deny non-encrypted Data	Integer	enable disable	RW	encryptdeny
Data Transmission Encryption Key Usage	Integer	Encryption Key 1 Encryption Key 2 Encryption Key 3 Encryption Key 4	RW	encryptkeytx

Ethernet Filtering Parameters

Identify the different filters by using the table index.

Name	Type	Values	ACC.	CLI Parameter
Ethernet Filtering Table	N/A	N/A	R	etherflttbl
Table Index	N/A	N/A	R	index
Operation Type		Allow Deny	RW	etherfltoptype
Ethernet Filtering Protocol	Octet String	N/A	RW	proto
Filter Comment	DisplayString	2- 31 characters	RW	cmt
Filter Status	Integer	enable (default) disable	RW	status

Static MAC Address Filter Parameters

Name	Type	Values	ACC.	CLI Parameter
Static MAC Address Filter Table	N/A	N/A	R	staticmactbl
Table Index	N/A	N/A	R	index
Static MAC Address on Wired Network	PhysAddress	User Defined	RW	wiredmacaddr
Static MAC Address Mask on Wired Network	PhysAddress	User Defined	RW	wiredmask
Static MAC Address on Wireless Network	PhysAddress	User Defined	RW	wirelessmacaddr
Static MAC Address Mask on Wireless Network	PhysAddress	User Defined	RW	wirelessmask
Comment	DisplayString	2 – 31 characters	RW	cmt
Status	Integer	enable (default) disable	RW	status

Spanning Tree Parameters

Name	Type	Values	ACC.	CLI Parameter
Spanning Tree	N/A	N/A	R	stp
Spanning Tree Status	Integer	enable disable (default)	RW	stpstatus
Bridge Priority	Integer	User Defined	RW	stppriority
Maximum Age	Integer	User Defined	RW	stpmaxage
Hello Time	Integer	User Defined	RW	stphellotime
Forward Delay	Integer	User Defined	RW	stpfwddelay

Spanning tree priority and path cost for each interface

Name	Type	Values	ACC.	CLI Parameter
Spanning Tree Table	N/A	N/A	R	stpbl
Table Index	N/A	N/A	R	index
Interface	Integer	Ethernet PC Card A PC Card B	RW	if
Priority	Integer	User Defined	RW	priority
Path Cost	Integer	User Defined	RW	pathcost

Storm Threshold Parameters

Name	Type	Values	ACC.	CLI Parameter
Storm Threshold	N/A	N/A	N/A	stmthres
Broadcast Address Threshold	Integer	4 – 250	RW	stmbrdthres
Multicast Address Threshold	Integer	4 – 250	RW	stmmultithres

There is also a storm threshold table so that values can be set per interface. This table is given below.

Name	Type	Values	ACC.	CLI Parameter
Storm Threshold Table	N/A	N/A	R	stmthrestbl
Table Index	N/A	N/A	R	index
Broadcast Address Threshold	Integer	4 – 250	RW	bcast
Multicast Address Threshold	Integer	4 – 250	RW	mcast

MAC Access Control Table Parameters

Name	Type	Values	ACC.	CLI Parameter
MAC Address Control Table	N/A	N/A	R	macacltbl
Table Index	N/A	N/A	R	index
MAC Address	PhysAddress	User Defined	RW	macaddr
Comment	DisplayString	User Defined	RW	cmt
Status	Integer	enable (default) disable	RW	status

DHCP Server Parameters

Name	Type	Values	ACC.	CLI Parameter
DHCP Server	N/A	N/A	R	dhcp
DHCP Server Status	Integer	enable (default) disable	RW	dhcpstatus
Default Router IP Address	IpAddress	User Defined	RW	dhcpgw
Default Lease Time	Integer	User Defined	RW	dhcpdefleasetm
Maximum Lease Time	Integer	User Defined	RW	dhcpmaxleasetm

DHCP Server table for IP pools

Name	Type	Values	ACC.	CLI Parameter
DHCP Server IP Address Pool Table	N/A	N/A	R	dhcpippooltbl
Table Index	Integer	User Defined	N/A	index
Start IP Address	IpAddress	User Defined	RW	startipaddr
End IP Address	IpAddress	User Defined	RW	endipaddr
Width	Integer	User Defined	RW	width
Comment	DisplayString	User Defined	RW	comment
Status	Integer	enable disable delete	RW	status

SpectraLink VoIP Parameters

Name	Type	Values	ACC.	CLI Parameter
Spectralink VoIP	N/A	N/A	R	spectralink
Spectralink VoIP Status	Integer	Disable (default) Enable	RW	speclinkstatus