



Firmware Release Note

ZyAIR B-3000

Release 3.50(HC.5)C0

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ZyXEL ZyAIR B-3000 Standard Version release 3.50(HC.5)C0 Release Note

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Supported Platforms:

ZyXEL ZyAIR B-3000

Versions:

ZyNOS Version : V3.50(HC.5) | 05/17/2005 16:46:00
Bootbase Version : V1.05 | 04/30/2004 10:22:37

Notes:

1. If the roaming is active, the wireless STA will not be able to associate with B-3000 unless the Ethernet port is connected and the IP is gotten from DHCP server while the IP assignment is configured as "Dynamic".
2. ZyAIR B-3000 is a country dependent product. Please setup correct country code before shipping.
3. This version supports EAP-TLS, EAP-TTLS and PEAP pass through.
4. When enabling WDS (Bridge) mode, the function of dynamic WEP key will disable automatically.
5. If WDS is active, the APs using the version of AP firmware lower than 3523 will send specified packets automatically to APs which enabling the WDS function. So shielded room must be used for testing.
6. Multiple ESSID mode requires special supplicant which can configure four WEP keys to make unicast and broadcast/multicast traffic work properly. If client only can set one WEP key, only one kind of traffic can pass. For example, WinXP supplicant only can configure one WEP key with a specified key index. Configure WinXP supplicant key index and key content to unicast WEP key setting can suit common use.
7. Number of associated stations and output power will be set to default value if system is upgrading from firmware version HC.4C0. The default values are 32 clients and 17dbm.
8. AP Rx performance may be unstable under the specific configuration with ZyXEL G-100 wireless card. The specific configuration is when G-100 configure as WPA (or WPA-PSK) mode and B-3000 WDS's security option is enabled. Set G-100 RTS/CTS threshold to a properly value can solve the problem. 1000~1500 is a good value which can suites common use.

Known Issues:

1. WinXP supplicant doesn't work when it config as 802.1x authentication with static wep key.
2. WPA interoperability issue: When centrino station configure as WPA (or WPA-PSK) mode and data encryption field set as WEP, it can not work with B-3000 under WPA (or WPA-PSK) mode and using WEP as group key. In this case, user must configure the data encryption field as TKIP then stations will automatic switch the group key cipher as WEP after it received the WPA information element from B-3000.
3. No Embedded Help for new feature.
4. In AP+Bridge mode, WDS security could be enable only when the system security enable as WPA or WPA-PSK.
5. WDS link with security enabled may break in heavy traffic, but system will recover it automatically.
6. RTS/CTS threshold function doesn't work properly in 64/128 bit encryption mode. Even if packet size is smaller than threshold, AP still sends RTS before sending.

CI Command List:

Features:

Modification in 3.50(HC.5)C0 | 05/17/2005.

- 1 [FEATURE CHANGE]
Modify to FCS version.

Modification in 3.50(HC.5)b7 | 04/22/2005.

1. [BUG FIXED]
Symptom: When DUT work on WPA-PSK mode, let 10 STA (with same type wireless card) associate to DUT, DUT will kick some STA unexpectedly sometimes.
2. [BUG FIXED]
Symptom: SMT: In SMT24.3, there is no item to set.
3. [BUG FIXED]
Symptom: In WebUI ---- > Wireless Config, set the Wireless Port Control as "Authentication Required", Apply it, than set the Wireless Port Control as "No Authentication Required", Apply it, DUT will show error message.
4. [BUG FIXED]
Symptom: System: After upgrading the firmware from HC4C0 to HC5b6, some original setting will be changed unexpectedly.
5. [BUG FIXED]
Symptom: Problem: System: When most DUT work on cycle WDS mode, this forwarding packet losing rate is high.

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6. [FEATURE CHANGED]
If there exists command “ip icmp disc enif0 off” in autoexec.net, firmware will convert it to “ip icmp disc enif1 off” when romfile conversion is required.

Modification in 3.50(HC.5)b6 | 04/08/2005.

1. [FEATURE CHANGED]
Remove 1x/non1x configuration UI to prevent user use the feature.
2. [BUG FIXED]
Symptom: Multiple ESS:STA with WEP key2 cannot ping to DUT successfully when default unicast key of DUT.
3. [FEATURE CHANGED]
AP firmware is back to ver.4306 to solve Multiple ESS bug.
4. [FEATURE CHANGED]
When authentication method is WPA-PSK, configuration interface won't check RADIUS setting if authentication databases was set to “RADIUS only” previously.
5. [BUG FIXED]
Symptom: Block intra-BSS traffic cannot work when key management protocol is set to WPA-PSK.

Modification in 3.50(HC.5)b5 | 03/07/2005.

1. [BUG FIXED]
Symptom: Accounting server still can work when authentication databases is set to ‘Local User Database Only’.
2. [BUG FIXED]
Symptom: SMT3.5.4: Abnormal error message appear ‘Peer MAC address can NOT be ZERO or device's MAC address’.
3. [BUG FIXED]
Symptom: System crash when run 802.1x&Non-1x function and WLAN Non-1x user policy is set to ‘Assign to a VLAN’ overnight.
4. [BUG FIXED]
Symptom: WLAN no WEP TX throughput performance is under 4.5Mbps.
5. [BUG FIXED]
Symptom: The typo: ”Status: On Multiple ESS Mode, key management porotocol could not set for wpa or wpa-psk”.

Modification in 3.50(HC.5)b4 | 12/29/2004.

1. [BUG FIXED]

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Symptom: When enable AP+Bridge mode and there are many B3000 form an WDS cloud, for a few days system maybe hang and cause some links disconnected.

2. [FEATURE CHANGED]
Extend VLAN tag setting range from 255 to 4094.
3. [FEATURE CHANGED]
AP firmware is changed to ver.4615 to enhance interoperability issue of supporting traffic classification for WLAN 1x/no1x users.
4. [BUG FIXED]
Symptom: System reboot when first time enable or disable WDS security configuration after reset to default.
5. [BUG FIXED]
Symptom: Backup RADIUS server cannot work when setting retry numbers to 1.
6. [BUG FIXED]
Symptom: When enable VLAN, STAs(static WEP key only) can pass authentication and ping DUT successfully when operating mode is set to multiple ESS(VLAN ID the same as Native VLAN ID) and key management protocol is set to 802.1X with static WEP key (Local only\RADIUS only).
7. [BUG FIXED]
Symptom: eWC\Wireless>Edit ESS: The configurations cannot be saved when key management protocol is set to 802.1X with dynamic WEP key. It always request user to enter 5 ASCII characters.
8. [BUG FIXED]
Symptom: When enable vlan tagging by 1x, STA's VLAN is different form AP, STA still can ping to AP.
9. [BUG FIXED]
Symptom: SMT menu1: Sometime DNS server configuration cannot be saved to flash when DNS server is set to 'User-Defined'.
10. [BUG FIXED]
Symptom: SMT menu1: The configuration of Domain Name cannot be saved to flash.
11. [BUG FIXED]
Symptom: System exception and reboot occur when system name is up to 30 characters long and enable 802.1x.
12. [FEATURE ENHANCED]
Support Layer 2 Isolation feature.

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13. [FEATURE ENHANCED]
Add Layer 2 Isolation help page and modify VLAN, 802.1x/WPA, Multiple ESS, RADIUS and MAC Filter help pages in eWC.
14. [FEATURE CHANGED]
The default SSID is changed from “Wireless” to “ZyXEL”.
15. [FEATURE CHANGED]
When 802.1x key management protocol is WPA-PSK, STA that configured as 802.1x with dynamic WEP key will not connect to our device.
16. [BUG FIXED]
Mac filter: When typing invalid MAC address, our device shows error message ”invalid Mac address #4”.
17. [FEATURE ENHANCED]
Add System Name in the title of login/logout page in eWC.
18. [BUG FIXED]
Symptom: WPA-PSK STA cannot associate with DUT successfully when DUT changed configuration from WPA with external RADIUS and accounting server enable.
19. [FEATURE ENHANCED]
When user associated and key handshake done, add log to identity user login type.

Modification in 3.50(HC.5)b3 | 13/08/2004.

1. [FEATURE ENHANCED]
Support Vantage function.
2. [FEATURE CHANGED]
Disable WPA mixed mode setting when key management protocol is WPA-PSK.
3. [FEATURE CHANGED]
AP firmware is changed to ver.4615_probe_privacy_off to enhance interoperability issue of supporting traffic classification for WLAN 1x/no1x users.
4. [FEATURE CHANGED]
If enable MESS mode, user must configure at least one ESSID.
5. [FEATURE ENHANCED]
Add ESSID information in radius-request attribute when enable MESS mode.
6. [FEATURE ENHANCED]
Add CI command “setCheckStaPeriod” which set the station periodically check timer. This timer use to periodically check whether station already abnormal

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disassociated.

7. [BUG FIXED]
Symptom: eWC: Many fields can't configure due to invalid warning 'RADIUS is not active'.
8. [BUG FIXED]
Symptom: eWC: System\Time Setting: An erratum of "Daylight".
9. [BUG FIXED]
Symptom: eWC: RADIUS: Authentication server and alternate authentication server shouldn't accept the same IP address. Accounting server and alternate accounting server shouldn't accept the same IP address.
10. [BUG FIXED]
Symptom: eWC: When DUT record more than 80 log data, 'Display' list can't work.
11. [BUG FIXED]
Symptom: eWC\LOGS\View Log: Redundant message appear in the Notes field.
12. [BUG FIXED]
Symptom: eWC: VALN: "Tagging By 802.1x" could be active only when operating mode is AP or AP+Bridge and 802.1x "Wireless Port Control" option is "Authentication Required".
13. [BUG FIXED]
Symptom: SMT23.4:802.1X with dynamic WEP can configure when RADIUS didn't active.
14. [BUG FIXED]
STA (802.1x with dynamic WEP) cannot ping DUT when DUT is set as WPA mixed mode.
15. [BUG FIXED]
WinXP supplicant (802.1x with dynamic WEP) cannot ping DUT when 1x user VLAN ID equal to management VLAN ID.
16. [BUG FIXED]
Add ROM convert for RSTP spt structure change.
17. [BUG FIXED]
MAC filter cannot work when wireless operating mode is set to Multiple ESS.

Modification in 3.50(HC.5)b2 | 5/19/2004.

1. [BUG FIXED]

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Symptom: SNMP trap function can't work.

2. [BUG FIXED]
Symptom: When DUT enable VLAN tagging, ping from lan to DUT will disconnect after two minutes.
3. [BUG FIXED]
Symptom: eWC: VLAN tagging by 802.1x can be configured when operation mode of wireless is Bridge/Repeater.
4. [BUG FIXED]
Symptom: eWC: Channel ID was changed to 1 after configured VLAN tagging by ESSID when operation mode of wireless is Bridge / Repeater.
5. [BUG FIXED]
Symptom: SMT23.2: Useless message appear after configured authentication server.
6. [BUG FIXED]
Symptom: SMT16: Invalid lexicon appears in error message when setting vlan.
7. [BUG FIXED]
Symptom: SMT3.5: Invalid lexicon appears in error message when setting bridge+repeater mode.

Modification in 3.50(HC.5)b1 | 4/30/2004.

1. [FEATURE ENHANCED]
Support traffic classification for wlan 1x/no1x users.
2. [FEATURE ENHANCED]
Support five backup radius servers.
3. [FEATURE ENHANCED]
Support alternative incoming vlan tag.
4. [FEATURE ENHANCED]
WDS links support tkip data privacy.
5. [FEATURE CHANGED]
AP firmware is changed to v.4306 to enhance WDS link security.
6. [FEATURE CHANGED]
Modify default ROM file value.
 - Logs

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- ✓ Log Schedule change from “when log is full” to “None”.
- ✓ Enable Send log: system Maintenance, System Errors, 802.1x, Wireless.
- Number of Associated Stations change from 0 to 32.

7. [FEATURE CHANGED]
Modify bootbase for support AMD/INTEL flash.

Modification in 3.50(HC.4)C0 | 3/16/2004.

- 2 [FEATURE CHANGE]
Modify to FCS version.

Modification in 3.50(HC.4)b5 | 3/9/2004.

- 3 [BUG FIXED]
Symptom: In eWC\ADVANCED\WIRELESS: When 'Operating Mode' is multiple ESS mode, the 'Edit', 'Apply' and 'Delete' buttons cannot work when 'Wireless Port Control' is changed to 'No Authentication Required'.
- 4 [BUG FIXED]
Symptom: Stations (with ZyAIR B-122 card) can pass WPA authentication without selecting WPA configuration.
- 5 [BUG FIXED]
Symptom: Ping stress test failed after overnight file transmit by FTP.
- 6 [FEATURE CHANGE]
In eWC\ADVANCED\WIRELESS, when using enable wireless port control, the default setting is WPA-PSK with empty PSK.
- 7 [FEATURE ENHANCED]
eWC online help is updated.

Modification in 3.50(HC.4)b4 | 2/25/2004.

- 8 [BUG FIXED]
Symptom: Abnormal packet delay caused FTP client disconnection when running 5 or 6 APs.
- 9 [BUG FIXED]
Symptom: eWC:Wireless LAN page disappear after changing operating mode to 'Multiple ESS' and press 'Edit' button on wireless tab when wpa / wpa-psk is set.
- 10 [BUG FIXED]
Symptom: SMT 3.5:Multiple ESS configuration shouldn't be edited when operating mode is 'Multiple ESS' and key management protocol is 'WPA' and 'WPA-PSK'.
- 11 [BUG FIXED]
Symptom: eWC\ADVANCE\LOGS\View Log\Wireless:The source and destination field lists cannot display data correctly.
- 12 [BUG FIXED]
Symptom: eWC\ ADVANCE\IP, “WAN IP Address Assignment” is not correct description.
- 13 [FEATURE CHANGE]
In eWC\ADVANCE\LOGS, the default Log Schedule should be set to 'None' instead

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of 'When Log is Full'.

14 [FEATURE ENHANCED]

Update to support delivering IAPP packets/frames through WDS links

15 [FEATURE ENHANCED]

eWC online help is updated.

16 [FEATURE ENHANCED]

Add WPA counter measure.

Modification in 3.50(HC.4)b3 | 2/9/2004.

1 [BUG FIXED]

Symptom: 802.1x cannot work when the VLAN ID of multiple ESS is different from AP native VLAN ID.

2 [BUG FIXED]

Symptom: In heavy traffic situation, system will reset by sw watchdog.

3 [BUG FIXED]

Symptom: When using duplicate system account login the eWC page, the warning message should appear.

Modification in 3.50(HC.4)b2 | 2/4/2004.

1 [BUG FIXED]

Symptom: In eWC Maintenance->configuration, when upload "restore configuration", it doesn't work.

2 [BUG FIXED]

Symptom: In eWC Maintenance page, the table in "Association List" and "Channel Usage" have no correct lines.

3 [BUG FIXED]

Symptom: In eWC AP+Bridge, Birdge/Reaper mode, after press "scan" bottom, the index number of WDS bridge table will disappear.

4 [BUG FIXED]

Symptom: In ip configuration page, the "ISP" should take off. And "My WAN ip address" should change to "Ip address".

5 [BUG FIXED]

Symptom: In 802.1x/WPA page, when set WPA/WPA-PSK mode, and turn to another page, than turn back, the "WPA Mixed Mode" choose button disappear.

6 [BUG FIXED]

Merge fixed bug from COE. Change rstp CI command under bridge. Modify the variable declaration of "pathCost" in spt.h.

7 [BUG FIXED]

Symptom: 802.1x cannot work when the VLAN ID of multiple ESS is different from AP native VLAN ID.

8 [BUG FIXED]

Symptom: WPA link disconnect issue after overnight stress testing.

9 [BUG FIXED]

Symptom: eWC \ ADVANCED \ LOGS \ View Log : wrong background color appear.

10 [FEATURE ENHANCED]

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eWC online help is updated.

Modification in 3.50(HC.4)b1 | 12/31/2003.

1 [FEATURE CHANGED]

Support WPA/WPA-PSK, Multiple bridge link, AP+Bridge, and RSTP.

Modification in 3.50(HC.3)C0 | 12/23/2003.

Modification in 3.50(HC.3)b5 | 12/22/2003.

1. [BUG FIXED]

Once RADIUS changed to different Authentication protocol, station won't associate with AP successfully any more.

Modification in 3.50(HC.3)b4 | 12/04/2003.

1. [BUG FIXED]

Abnormal packet delay when WEP is enabled.

Modification in 3.50(HC.3)b3 | 10/30/2003.

2 [BUG FIXED]

"TThis is" should be "This is" in eWC/channel Usage/Help

3 [FEATURE CHANGED]

Modify the channel list of France and Singapore.

Modification in 3.50(HC.3)b2 | 09/22/2003

1. [FEATURE ENHANCED]

Support channel list of Romania.

2. [BUG FIXED]

Symptom: WLAN cannot received any more packets after connecting with CISCO card for a while.

3. [FEATURE CHANGED]

Apply firmware ver. 3828.

Modification in 3.50(HC.3)b1 | 09/15/2003

1. [BUG FIXED]

Symptom: The traffic is blocked after attaching the device to a large busy network with bridge mode.

Condition: Bridge a PC and a large busy network with 2 devices configured as bridge mode, the device connected with PC will stop transferring packets after a short period of time.

Modification in 3.50(HC.2)b1 | 09/01/2003

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1. [FEATURE ENHANCED]
Support channel list of Israel
2. [FEATURE ENHANCED]
Add watch dog timer mechanism to restart the zd1201 chip and WLAN driver.

Modification in 3.50(HC.0)c0 | 08/08/2003

1. [BUG FIXED]
Symptom: Country code of India is not correct.
2. [BUG FIXED]
Symptom: After changing the WLAN configurations in wizard page in eWC, the corresponding WLAN configurations in SMT and wireless page in eWC are incorrect.
3. [BUG FIXED]
Symptom: Ping lost for Kendin KS8995 chip.

Modification in 3.50(HC.0)b5 | 08/01/2003

1. [BUG FIXED]
Symptom: Filtering by MAC address in multi-ESS mode does not function.

Modification in 3.50(HC.0)b4 | 07/31/2003

- 11 [BUG FIXED]
Symptom: Device cannot get IP address through WDS link.
- 12 [BUG FIXED]
Symptom: The default port number is 0 in the Roaming page of eWC.
- 13 [BUG FIXED]
Symptom: After pressing the SCAN bottom in the WIZARD SETUP page in eWC and the SCAN function is finished, the check box of the key disappeared.
- 14 [FEATURE CHANGED]
When refreshing the Channel Usage in the WIRELESS page of the MAINTAINANCE in the eWC, the status shown in the below of the page is Ready. It should be changed to "Please Wait...".
- 15 [FEATURE ENHANCED]
Add time zone page in eWC.
- 16 [FEATURE ENHANCED]
eWC online help is updated.

Modification in 3.50(HC.0)b3 | 06/23/2003

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1. [FEATURE CHANGED]
AP firmware is changed to v.3617 to improve the stability of wireless connection and fix MESSID issues.
2. [FEATURE ENHANCED]
eWC online help is updated.
3. [FEATURE CHANGED]
Add extra delay before AP firmware download.
4. [FEATURE CHANGED]
The bootbase is upgraded to 1.04

Modification in 3.50(HC.0)b2 | 05/28/2003

1. [FEATURE ENHANCED]
Bootbase is upgrade to version 1.02 to support ST FLASH.
2. [FEATURE CHANGED]
The default channel is changed to channel 6.

Modification in 3.50(HC.0)b1 | 05/09/2003

1. First release for C3 firmware

Annex A CI Command List

Command Class List Table		
System Related Command	Exit Command	Ethernet Related Command
Wireless LAN Related Command	IP Related Command	Bridge Related Command
802.1x Related Command	Vantage Related Command	

System Related Command

[Home](#)

Command				Description
sys				
	adjtime			retrive date and time from Internet
	callhist			
		display		display call history
		remove	<index>	remove entry from call history
	countrycode		[countrycode]	set country code
	date		[year month date]	set/display date
	domainname			display domain name
	edit		<filename>	edit a text file
	extraphnum			maintain extra phone numbers for outcalls
		add	<set 1-3> <1st phone num> [2nd phone num]	add extra phone numbers
		display		display extra phone numbers
		node	<num>	set all extend phone number to remote node <num>
		remove	<set 1-3>	remove extra phone numbers
		reset		reset flag and mask
	feature			display feature bit
	hostname		[hostname]	display system hostname
	log			
		clear		clear log error
		disp		display log error
		online	[on off]	turn on/off error log online display
	rn			
		load	<entry no.>	load remote node information
		disp	<entry no.>(0:working buffer)	display remote node information
		nat	<none sua full feature>	config remote node nat
		nailup	<no yes>	config remote node nailup
		save	[entry no.]	save remote node information
	stdio		[second]	change terminal timeout value
	systemname		[system name]	Change system name
	time		[hour [min [sec]]]	display/set system time
	trcdisp	parse, brief, disp		monitor packets
	trclog			
	trcpacket			
	syslog			
		server	[destIP]	set syslog server IP address
		facility	<FacilityNo>	set syslog facility
		type	[type]	set/display syslog type flag
		mode	[on off]	set syslog mode
	version			display RAS code and driver version
	view		<filename>	view a text file
	wdog			

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		switch	[on off]	set on/off wdog
		cnt	[value]	display watchdog counts value: 0-34463
	romreset			restore default romfile
	socket			display system socket information
	filter			
		netbios		
	cpu			
		display		display CPU utilization

Exit Command

[Home](#)

Command				Description
exit				exit smt menu

Ethernet Related Command

[Home](#)

Command				Description
ether				
	config			display LAN configuration information
	driver			
		cnt		
			disp <name>	display ether driver counters
		ioctl	<ch_name>	Useless in this stage.
		status	<ch_name>	see LAN status
	version			see ethernet device type
	edit			
		load	<ether no.>	load ether data from spt
		save		save ether data to spt

Wireless LAN Related Command

[Home](#)

Command				Description
wlan				
	active		[on off]	set on/off wlan
	association			display association list
	chid		[channel id]	set channel
	diagnose			self-diagnostics
	essid		[ess id]	set ESS ID
	scan			scan wireless channels
	version			display WLAN version information

IP Related Command

[Home](#)

Command				Description
ip				
	address		[addr]	display host ip address
	arp			
		status	<iface>	display ip arp status
	dhcp		<iface>	
		client		
			release	release DHCP client IP
			renew	renew DHCP client IP
		status	[option]	show dhcp status
	dns			
		query		
		stats		
	httpd			

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	icmp			
		status		display icmp statistic counter
		discovery	<iface> [on off]	set icmp router discovery flag
	ifconfig		[iface] [ipaddr] [broadcast <addr> mtu <value> dynamic]	configure network interface
	ping		<hostid>	ping remote host
	route			
		status	[if]	display routing table
		add	<dest_addr default>[/<bits>] <gateway> [<metric>]	add route
		addiface	<dest_addr default>[/<bits>] <gateway> [<metric>]	add an entry to the routing table to iface
		addprivate	<dest_addr default>[/<bits>] <gateway> [<metric>]	add private route
		drop	<host addr> [/<bits>]	drop a route
	status			display ip statistic counters
	udp			
		status		display udp status
	rip			
	tcp			
		status	[tcb] [<interval>	display TCP statistic counters
	telnet		<host> [port]	execute telnet clinet command
	tftp			
	traceroute		<host> [ttl] [wait] [queries]	send probes to trace route of a remote host
	xparent			
		join	<iface1> [<iface2>]	join iface2 to iface1 group
		break	<iface>	break iface to leave ipxparent group

Bridge Related Command[Home](#)

Command				Description
Bridge				
	cnt			related to bridge routing statistic table
		disp		display bridge route counter
		clear		clear bridge route counter
	stat			related to bridge packet statistic table
		disp		display bridge route packet counter
		clear		clear bridge route packet counter

802.1x Related Command[Home](#)

Command				Description
radius				
	showRunInfo			Show server running information.
	setTryNums			Set retry numbers before switch to next setting.
	auth	show		show current radius authentication server configuration
		addAuthServer		Add an authentication server.
		delAuthServer		Delete an authentication server.
	acct	show		show current radius accounting server configuration
		addAcctServer		Add an accounting server.
		delAcctServer		Delete an accounting server.
8021x	debug	reauth	<0:off 1:on>	set IEEE802.1x reauthentication method
		level	[debug level]	set ieee802.1x debug message level

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		trace		show all supplications in the supplication table
		user	[username]	show the specified user status in the supplicant table

Vantage Related Command

[Home](#)

Command				Description
cnm	active	[0/1]		Display or set the CNM features to enable or disable . 0: disable 1: enable CNM features and communicate through WAN interface.
	sgid			Display sgid which is the unique ID of the device in Vantage.
	managerIP	[addr]		Display or set the IP of Vantage server/COMServer which manage this device. [addr] specifies the IP of the Vantage serve/COMServer.
	debug	[0/1]		Display or set the way of outputting CNM debug messages. 0: disable debug messages. 1: output the debug messages to console and can accept SGMP inquire message only after the device is registered to Vantage server.
	reset			Reset the state machine of SGMP and return to the state of SGMP_STATE_UNKNOWN. Device will re-register to Vantage server if CNM is active.
	encrykey	[string]		Display or set encryption key. [string] specifies the encryption key. to be set. Key length can not less than 8 alphanumeric characters long, if ecrymode is DES. Key length can not less than 24 alphanumeric characters long, if ecrymode is 3DES.
	encrymode	[0/1/2]		Display or set the encryption mode for SGMP messages. [0:NONE /1:DES/2:3DES] specifies the encryption mode to be set.
	keepalive			Display the time(second) to report agent keepalive 0: disable. Set the time(second) to report agent keepalive; the valid range : 10 ~ 2147483647
	version			Display the Vantage agent version.