ZyXEL ES-3024 V3.50(DT.2)C0

Release Note/Manual Supplement

Date: July 03, 2003

This document describes the features in the ES-3024 product for its 3.50(DT.2)C0 release.

Support Platforms:

ZyXEL ES-3024 V3.50(DT.2)C0 supports models: Dimension ES-3024

Version:

ZyNOS Version: V3.50(DT.2) | 07/03/2003 16:03:11
BootBase Version: V0.6(ES-3024) | 04/24/2003 10:54:18

Known Issue:

1. Web: In port edit page, the speed of 100FX module is shown as 1000M.

Bug Fix:

1. Remove IGMP snooping debug message.

Features:

1.

F irmware Upgrade:

The ES-3024 uses FTP to upgrade firmware in run-time through its built-in FTP server. You can use any FTP client (for example, ftp.exe in Windows) to upgrade ES-3024. The upgrade procedure is as follows:

Upgrade ES-3024 FW:

```
C:\> ftp <ES-3024 IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 350DT2C0.bin ras
ftp> bye


Where
  • User name : just press <Enter>
  • Password : the management password, 1234 by default
```

- 350DT2C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in ES-3024

Configuration Upgrade:

The ES-3024 uses FTP to upgrade configuration in run-time through its built-in FTP server. You can use any FTP client (for example, ftp.exe in Windows) to upgrade ES-3024. The upgrade procedure is as follows:

Upgrade ES-3024 configuration:

```
C:\> ftp <ES-3024 IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 350DT2C0.rom rom-0
ftp> bye


Where
```
- User name : just press <Enter>
- Password : the management password, 1234 by default
- 350DT2C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in ES-3024

Commands Table:

sys

monitor	status					show h/w monitor status
	show					show h/w monitor statistics
	vlimit	<idx>		<high>	<low>	set voltage <idx> with <high> <low> limit
	tlimit	<idx>		<limit>		set temperature <idx> with <limit> limit
	flimit	<bank>		<idx>	<limit>	set fan <idx> RPM limit in bank <bank>
	fanmask	<bank>		[<mask>]		set fan detection mask in bank <bank>
	vclear					clear voltage statistics
	tclear					clear temperature statistics
	fclear					clear fan statistics
	clear					clear h/w monitor statistics
	enable	[<on/off>]				enable/disable h/w monitor
	test					test h/w monitor chip
ixe2424	lbt	intlbt	<port|All>	[count]		Internal loop back test on given port or All ports.
		extlbt	<port|All>	[count]		External loop back test on given port or All ports.
	log	level	[0-4]			Log level
		switch	on/off			Log to tracelog. (Current diplay to console directly)
	memdump	<start_addr>	<length>			Dump the memory map that ixe2424 mapped to.
	wreg	<addr>	<value>			Write to a register
	rreg	<addr>				Read from a register
	pktcnt	<port>				Display port statistic counter
	pktcntclear	<port>				Reset port statistic counter
	show_int_count					Display interrupt counter
	clear_int_count					Reset interrupt counter
snmp	getCommunity	[<community>]				Set or view community of GetRequest.
	setCommunity	[<community>]				Set or view community of SettRequest.
	trustedHost	[<hsot>]				Set or view trusted host.
	trapCommunity	[<community>]				Set or view community of Trap
	trapDest	[<destination>]				Set or view trap server.
	disp					View snmp setting.

config save   Save configuration

Switch commands: The following commands are under "**sys switch** "

garp	status						show garp timer status
	timer	\<join timer(ms)>	\<leave timer(ms)>	\<leave all timer\<ms>			set garp timer \<join timer> \<leave timer> \<leave all timer>
gvrp	status						show gvrp status
	enable						enable gvrp function
	disable						disable gvrp function
qos	defpri	\<port>	[\<0..7>]				set the default ingress User Priority for this port \<port>.
	map	\<0..7>	[\<queue>]				User Priority to Traffic Class mapping.
vlan1 q	port	status	\<port>				show port \<port> VLAN information.
		defaultVID	\<port>	\<VID>			set defaultVID\<VID> of this port\<port>.
		accept	\<port>	\<all|tagged >			set acceptFrameType of this port.
		gvrp	\<port>	\<enable|disable>			Enable/disable the gvrp function of this port \<port>.
	svlan	cpu	\<VLAN ID>				Set VLAN ID of cpu.
		setentry	\<name>	\<VID>	\<port>	\<adctl> \<\<tagctl>	set static entry.\<VID>
		delentry	\<VID>				delete static entry\<VID>
		active	\<VID>				active the static entry with \<VID>
		inactive	\<VID>				inactive the static entry with \<VID>
		list					show the static entry table.
	vlan	list	\<all|vid|start_vid end_vid>				Show vlan1q current table.
driver	count	disp					Show the switch NDIS level counters(CPU interface)
		clear					Clear the switch NDIS level counters(CPU interface)
rstp							Please reference to 802.1w
	bridge						
		enable					Enable RSTP
		disable					Disable RSTP
		priority	\<priority>				System Priority
		maxAge	\<max age>				Max age timer
		helloTime	\<hello time>				Hello timer
		forwardD	\<forward delay				Forward delay time

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	elat	time>		
	version	<STP:0|RSTP:2>		Operation Mode
port				
	enable	<Port_NO>		Enable this port under RSTP protocol
	disable	<Port_NO>		Disable this port under RSTP protocol
	pathCost	<Port_NO>		Cost of this path
	priority	<Port_NO>		Priority
	edgePort	<Port_NO>		If this port is an edge port
	p2pLink	<Port_NO>		Whether the Port concerned can only be connected to exactly one other Bridge or can be connected to two or more Bridges
	mcheck	<Port_NO>		802.1w chapter 17.18.10

lacp Please reference to 802.3ad

agg				Display aggregation information
port				
	enable	<Port_NO>		
	disable	<Port_NO>		
	status	<Port_NO>		
	actorAdm			Actor means local side
		activity	[Port_NO [0:passive|1:active]]	
		display	[Port_NO]	
		key	[Port_NO [Key]]	
		priority	[Port_NO [Priority]]	
		timeout	[Port_NO [0:long_timeout|1:short_timeout]]	
	status			
	keymgnt	[on|off]		
	sysPriority	<priority>		

dot1x Please reference to 802.1x

enable				Enable dot1x
disable				Disable dot1x
status				Show dot1x global status
port				
	enable	<Port_NO>		Enable this port
	disable	<Port_NO>		Disable this port
	reauth	<Port_NO>	<on|off>	Re-authentication
	reauthPeriod	<Port_NO>	<value>	Re-authentication period
	status	<Port_NO>		Port status

					Description
set					
	auth	<profile | radius>			Set authentication method
	portcontrol	<port-no>	<auto |auth | unauth>		Set port authentication status
radius					
	server	<IP>			Server IP
	secret	<secret>			Secret key
	port	<port>			Server port
	show				Display server setting (Won't be saved in flash)
profile					
	add	<username>	<passwd>		Add a user profile
	delete	<idx>			Delete a user profile
	list				List profile setting
class					Class setting
	display				display run-time status
	l2set	<src port>	<src MAC> <src vid>	<dest port>	<dest MAC> <dest vid>	Set src/dest port/MAC combination
	del	<class id>			Delete this class
bmstorm					Broadcast Storm Control
	disable				Clear current run-time settings
	type	<type>			Broadcast/Multicast/Both
	basis	<type>			Pkt/Byte
	display	[index]			Display ports setting
	interval	[value]			Set/display monitor interval
	set	<port>	<dhreshold>	<direction>		Threshold:# of pkt can be passed in the interval Direction:ingress/egress
	del	<index>			Disable on this port
mac	static				Static MAC setting
		disable			Clear current run-time settings
		display	[port]		display run-time status
		set	<port>	<MAC Addr.>	<vid>	Set static MAC of the port
		del	<port>	<MAC Addr.>	<vid>	Delete static MAC of the port
filter					MAC filter setting
	disable				Clear current run-time settings
	display				display run-time status
	set	<src port>	<src MAC> <src vid>	<dest port>	<dest MAC> <dest vid>	Set src/dest port/MAC combination (Use "*" as "don't-care" in each field)

mirror					Mirror setting
	disable				Clear current run-time settings
	display				display run-time status
	set	\<src port>	\<src MAC> \<src vid>	\<dest port>	\<dest MAC> \<dest vid>	Set src/dest port/MAC combination for mirror settings (Use "*" as "don't-care" in each field)
		\<input|output|both>				
	port	\<port>				What port mirror to
bw						Bandwidth Control setting
	disable					Clear current run-time settings
	display					display run-time status
	set	\<src port>	\<src MAC> \<src vid>	\<dest port>	\<dest MAC> \<dest vid> \<Max BW>	Set src/dest port/MAC combination (Use "*" as "don't-care" in each field)
trunk						Trunking setting
	disable					Clear current run-time settings
	display					display run-time status
	set	\<group>	\<# ports>			Set trunking group
	del	\<group>				del trunking group