

ZyXEL ES-3024 V3.50(DT.5)C0

Release Note/Manual Supplement

Date: July 6, 2004

This document describes the features in the ES-3024 product for its 3.50(DT.5)C0 release.

Support Platforms:

ZyXEL ES-3024 V3.50(DT.5)C0 supports models: Dimension ES-3024

Version:

ZyNOS Version: V3.50(DT.5) | 07/06/2004 14:39:07

BootBase Version: V1.0 | 04/27/2004 16:07:04

Known Issue:

1. Bootbase is updated to V1.0. But FCS version doesn't need to be updated to V1.0. Only the new produced ES-3024 should be updated to V1.0
2. Owing to hardware limitation, the links number in a trunk will shrink when some ports fail in LACP configuration instead of fail-over. We recommend using static trunk configuration in this switch

Bug Fix:

- 1.

Features:

- 1.

Firmware 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 350DT3b0.bin ras
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 350DT3b0.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 350DT5C0.rom rom-0
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 350DT5C0.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 switch	[0-4] on/off		Log level Log to tracelog. (Current display to console directly)
	memdump	<start_addr>	<length>		Dump the memory map that ixe2424 mapped to.
	p				Write to a register
	wreg	<addr>	<value>		Read from a register
	rreg	<addr>			Display port statistic counter
	pktent	<port>			Reset port statistic counter
	pktentcle	<port>			
	ar				
	show_int				Display interrupt counter
	_count				
	clear_int				Reset interrupt counter
	_count				
snmp	getComm	[<community>			Set or view community of
	unity]			GetRequest.
	setComm	[<community>			Set or view community of
	unity]			SetRequest.
	trustedHo	[<host>]			Set or view trusted host.
	st				
	trapCom	[<community>			Set or view community of Trap
	munity]			
	trapDest	[<destination>			Set or view trap server.
]			
	disp				View snmp setting.
cluster	active	<name>			Active cluster

	inactive	<name>					Inactive cluster
	add	<MAC addr>	<password>				Add a member into cluster
	remove	<MAC addr>					Remove a member from cluster.
	showMember						Show member list
	showCandidate						Show candidate list
	showClusterStatus						Show cluster status
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	port	status	<port>				show port <port> VLAN information.
q		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
	helloTim <hello time>	Hello timer
	e	
	forwardD <forward delay	Forward delay time
	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>	
	actorAd	Actor means local side
	m	
	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:s
		hort_timeout]
	status	
	keymgnt [on off]	
	sysPriorit <priority>	
	y	
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
	reauthPer	<Port_NO>	<value>		Re-authentication period
	iod				
	status	<Port_NO>			Port status
set					
	auth	<profile radius>			Set authentication method
	portcontr	<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
profile					(Won't be saved in flash)
	add	<username>	<passwd>		Add a user profile
	delete	<idx>			Delete a user profile
	list				List profile setting
class					
	display				Class setting
	l2set	<src MAC>	<dest MAC>		display run-time status
		<src vid>	<dest vid>		Set src/dest port/MAC combination
	del	<class id>			Delete this class
bmstorm					
	disable				Broadcast Storm Control
	type	<type>			Clear current run-time settings
	basis	<type>			Broadcast/Multicast/Both
	display	[index]			Pkt/Byte
	interval	[value]			Display ports setting
	set	<port>	<dhreshold>	<direction>	Set/display monitor interval
					Threshold:# of pkt can be passed in the interval
	del	<index>			Direction:ingress/egress
					Disable on this port
mac					
	static				Static MAC setting
	disable				Clear current run-time settings
					display run-time status
	display	[port]			Set static MAC of the port
	set	<port>	<MAC Addr.>	<vid>	
	del	<port>	<MAC Addr.>	<vid>	Delete static MAC of the

			Addr.>		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

ip	dhcp	<Iface>	mode	<none client>	Change DHCP mode for interface <Iface>
			status		Show DHCP status
			client	release	Release the IP address
				renew	Renew the IP address.