

ZyXEL ES-4024A V3.60(TV.0)C0

Release Note/Manual Supplement

Date: May 12, 2005

This document describes the features in the ES-4024A product for its 3.60(TV.0)C0 release.

Support Platforms:

ZyXEL ES-4024A V3.60(TV.0)C0 supports models: Dimension ES-4024A

Version:

ZyNOS Version: V3.60(TV.0) | 05/12/2005
 BootBase Version: V1.02 | 05/06/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(TV.0) 05/12/2005 23:15:23
Bootbase Version	V1.02 05/06/2005 10:37:56
Vendor Name	ZyXEL Communications Corp.
Product Model	ES-4024A
ZyNOS Code Model	RAS ES4024A
HTP Code Model	Unknown
ZyNOS ROM address	bfc60000
System Type	6
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	11
RomFile Checksum	5d37
ZyNOS Checksum	9ea7
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
	DA 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00-00 41 13 00 00 00

Features:

1. MAC address learning
2. Support IEEE 802.1D transparent bridge
3. Support IEEE 802.1Q tagged VLAN
4. Support IEEE 802.1X
5. Support IEEE 802.1W
6. Support IEEE 802.3AD
7. IGMP snooping
8. Support IEEE 802.1p
9. Automatic age out
10. Link Aggregation
11. Port Mirroring

12. Bandwidth Control
13. MAC Filtering
14. 64 IP routing domains
15. Support routing protocol: RIP v1/v2
16. Support routing protocol: DVMRP
17. Support routing protocol: OSPF
18. Support VRRP
19. Support DHCP server, relay
20. Firmware upgrade and configuration backup/restore.
21. Remote manageable.
22. SNMP manageable. RFC1213 MIBII(system, interface), RFC 1493 Bridge MIB, RFC1643 Ethernet MIB, RFC1757 Four group of RMON, RFC2674 Bridge MIB extension and SNMP traps.
23. WEB manageable

Known Issue:

1. Changing some settings (VLAN, link aggregation, or other complex settings) will cause system suspended when **continuously** sending **unresolved source packets** of **1Mbps 64-Byte length**. This situation will be recovered after stopping the traffic.
2. When restore configuration, the default VLAN and the default IP address will be implicitly created.
3. When learning more than 1000 multicast groups, the behavior may be abnormal.

Limit of Settings:

1. IP routing domain: 64
2. 802.1Q static VLAN: 256
3. Static MAC forwarding: 256
4. Filtering: 256
5. Bandwidth Control: 64
6. Mirroring: 256
7. DHCP: 16
8. Static route: 8
9. OSPF area: 4
10. OSPF virtual link: 32
11. VRRP router entry:14
12. Classifier entry: 256

Revision History:

V3.60(TV.0)C0 (05/12/2005)

Support New CLI and classifier entry.

Bootbase version 1.02 using 00-13-49 as MAC prefix.

V3.50(TV.0)C0 (01/11/2005)

First Public version.

Firmware Upgrade:

The ES-4024A 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-4024A. The upgrade procedure is as follows:

Upgrade ES-4024A FW:

```
C:\> ftp <ES-4024A IP address>
```

```
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360TV0C0.bin ras
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360TV0C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in ES-4024A

Configuration Upgrade:

The ES-4024A 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-4024A. The upgrade procedure is as follows:

Upgrade ES-4024A configuration:

```
C:\> ftp <ES-4024A IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360TV0C0.rom rom-0
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360TV0C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in ES-4024A