

ZyXEL ES-4124 V3.70(AIC.0)C0

Release Note/Manual Supplement

Date: Sept 19, 2006

This document describes the features in the ES-4124 product for its 3.70(AIC.0)C0 release.

Support Platforms:

ZyXEL ES-4124 V3.70(AIC.0)C0 supports models: ZyXEL ES-4124

Version:

ZyNOS Version: V3.70(AIC.0) | | 09/19/2006

BootBase Version: V0.7 | 02/17/2006

Default Bootbase Setting:

| | |
|--|--|
| ZyNOS Version | V3.70(AIC.0) 09/19/2006 18:34:35 |
| Bootbase Version | V0.7 02/17/2006 11:56:33 |
| Vendor Name | ZyXEL |
| Product Model | ES-4124 |
| ZyNOS Code Model | ES-4124 |
| HTP Code Model | Unknown |
| ZyNOS ROM address | 50080000 |
| System Type | 10 |
| MAC Address | 001349000001 |
| Default Country Code | FF |
| Boot Module Debug Flag | 01 |
| RomFile Version | 03 |
| RomFile Checksum | eb4b |
| ZyNOS Checksum | 2e65 |
| SNMP MIB level & OID | 060102030405060708091011121314151617181920 |
| Main Feature Bits | C0 |
| Other Feature Bits | |
| AA 01 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 | |

Enhanced Features:

1. MRSTP
2. Multicast routing on MVR
3. Administration user management
4. RADIUS enhancement (for 802.1x enhancement and multiple radius servers)
5. IGMP enhancement (timer and priority)
6. Web enhancement (Select all and Clone)
7. OSPF enhancement (passive interface and interface priority)

Bug Fix:

None

Known Issue:

1. Port movement of IP address is not supported currently.
2. A filtering rule with discard source action will always filter packets regardless of source MAC or destination MAC.

Limitation of Settings:

- | | |
|--|------|
| 1. VLAN 1Q static entry | 1024 |
| 2. Static MAC forwarding entry | 256 |
| 3. MAC filtering entry | 256 |
| 4. Cluster member | 24 |
| 5. IP routing domain | 64 |
| 6. IGMP Filtering entry | 256 |
| 7. IGMP MVR entry | 256 |
| 8. VRRP entry | 14 |
| 9. OSPF area | 4 |
| 10. Protocol based VLAN entries per port | 7 |
| 11. DHCP Server | 16 |
| 12. Syslog server entry | 4 |

Change History:

V3.70(AIC.0)C0 (09/19/2006)
Support enhanced features

V3.60(AIC.0)C0 (07/04/2006)
First Public Version

ZyXEL ES-4124 V3.60(AIC.0)C0

Release Note/Manual Supplement

Date: Jul 04, 2006

This document describes the features in the ES-4124 product for its 3.60(AIC.0)C0 release.

Support Platforms:

ZyXEL ES-4124 V3.60(AIC.0)C0 supports models: ZyXEL ES-4124

Version:

OS Version: V3.60(AIC.0)C0 | 07/04/2006
BootBase Version: V0.7 | 02/17/2006

Default Bootbase Setting:

| | |
|--|--|
| ZyNOS Version | V3.60(AIC.0) 07/04/2006 18:06:59 |
| Bootbase Version | V0.7 02/17/2006 11:56:33 |
| Vendor Name | ZyXEL Communications Corp. |
| Product Model | ES-4124 |
| ZyNOS Code Model | ES-4124 |
| HTP Code Model | Unknown |
| ZyNOS ROM address | 50080000 |
| System Type | 10 |
| MAC Address | 001349000001 |
| Default Country Code | FF |
| Boot Module Debug Flag | 01 |
| RomFile Version | E6 |
| RomFile Checksum | fc40 |
| ZyNOS Checksum | 17dd |
| SNMP MIB level & OID | 060102030405060708091011121314151617181920 |
| Main Feature Bits | C0 |
| Other Feature Bits | |
| AA 01 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. 24 ports Auto MDI/MDI-X 100Mbps and 4 ports Auto MDI/MDI-X 1000Mbps compliant with IEEE802.3u/x/ad
2. 2 ports Mini GBIC 1000Mbps compliant with IEEE802.3x/ab
3. MAC address learning
4. Support IEEE 802.1D transparent bridge
5. Support IEEE 802.1Q tagged VLAN
6. Support Port-based VLAN
7. Support IEEE 802.1X
8. Support IEEE 802.1W
9. Support IEEE 802.3AD
10. Support GVRP
11. IGMP snooping
12. Support IEEE 802.1p
13. Automatic age out
14. Specific MAC addresses forwarding per port
15. MAC Filtering
16. Port Trunking
17. Port Mirroring
18. Filtering/Mirroring by L2/L3/L4 rules
19. Bandwidth control by L2/L3/L4 rules
20. Egress traffic shaping per port
21. Broadcast Storm Control
22. Support Strict Priority and WRR queuing method
23. Static IP management or dynamic IP(DHCP client)
24. Multiple IP address management
25. Firmware upgrade and configuration backup/restore.
26. Remote manageable.
27. Cluster Management
28. WEB manageable
29. Support RFC-1213 MIB II
30. Support RFC-1493 Bridge MIB
31. Support RFC-1643 Ethernet MIB
32. Support RFC-1757 Four group of RMON
33. Support RFC-2674 VLAN MIB

34. NEW CLI supported
35. System configuration backup / restore in text-mode
36. Multiple login supported
37. Radius management authentication
38. Hardware Monitor
39. External power backup for internal power module failure
40. SSH v1/v2
41. SSL
42. Multicast
43. MVR
44. IGMP Filtering
45. CIR & PIR
46. MAC Freeze
47. Intrusion Lock
48. Support private MIB
49. Support Syslog
50. Protocol-based VLAN

Known Issue:

1. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
2. Port movement of IP address is not supported currently.
3. Discard destination MAC on filter rule, but the same source MAC packet still be filtered.

Limitation of Settings:

| | |
|--------------------------------|------|
| 1. VLAN 1Q static entry | 1024 |
| 2. Static MAC forwarding entry | 256 |
| 3. MAC filtering entry | 256 |
| 4. Cluster member | 24 |
| 5. IP routing domain | 64 |
| 6. IGMP Filtering entry | 256 |
| 7. MVR entry | 256 |
| 8. VRRP entry | 14 |
| 9. OSPF area | 4 |

Bug Fix:

Change History:

V3.60(AIC.0)C0 (07/04/2006)

First Public version

Firmware Upgrade:

The ES-4124 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-4124. The upgrade procedure is as follows:

Upgrade ES-4124 FW:

```
C:\> ftp <ES-4124 IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360AIC0C0.bin ras
```

ftp> bye

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360AIC0C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in ES-4124