ZyXEL ES-3124 V3.60(TP.3)C0

Release Note/Manual Supplement

Date: May 02, 2006

This document describes the features in the ES-3124 product for its 3.60(TP.3)C0 release.

Support Platforms:

ZyXEL ES-3124 V3.60(TP.3)C0 supports models: ZyXEL ES-3124

Version:

OS Version: V3.60(TP.3) | 04/25/2006 14:41:28
BootBase Version: V0.6 | 01/14/2005 17:28:00

Features:

1. 24 Auto MDI/MDI-X 100BASE-TX ports for subscribers
2. 2 1000BASE-T ports for cascading
3. 2 1000BASE-T/Mini-GBIC combo ports for uplink
4. 16K layer2 MAC addresses table
5. Support 32MB external packet buffer.
6. IEEE 802.1D transparent bridging
7. Port-based VLAN
8. IEEE 802.1Q tag-based VLAN
9. IGMP snooping
10. MAC filtering
11. Management through console, telnet, SNMP or web management
12. Firmware upgrade by FTP
13. Configuration saving and retrieving
14. Overheat detection
15. LED indications for link status
16. External power backup for internal power module failure
17. 9K jumbo frame
18. Filtering/Mirroring by L2/L3/L4 rules
19. Bandwidth control by L2/L3/L4 rules
20. Egress traffic shaping per port at 64Kbps step
21. Private VLAN for port isolation
22. Double tagging
23. BPDU transparency.
24. SSHv1/SSHv2/SSL
25. Integrated multicast services.
26. Dual rate three colors.
27. ZyXEL EMS support.

Known Issues:

1. Management port test fail in 100M long cable.
2. Management port has compatible issue with Cnet Pro 2000 network interface card.
3. The packets which destination address is marked in the filter setting will always send to port 1.
4. Symbol and dribble error packets will count into FCS error counter.

5. Filtering: In some special cases, setting one MAC with discard-source will cause device filter all packets with this MAC, ether source MAC or destination MAC.
6. Do not suggest cooperate LACP with RSTP more than ten ports.
7. Do not support tagged frame forwarding in the Port-Based VLAN.
8. If the contact between RJ45 and wire cable or the wire cable is unstable, the cable diagnostics maybe fail.
9. Modify the high threshold of system FAN RPM to 7000.

Fix:

Manufacturing Data:

```
ZyNOS Version          : V3.60(TP.3) | 04/25/2006 14:41:28
Bootbase Version       : V0.6 | 01/14/2005 17:28:00
Serial Number          : xxxxxxxxxxxxxxx
Vendor Name            : ZyXEL Communications Corp.
Product Model          : ES-3124
ZyNOS Code Model       : ES3124
HTP Code Model         : Unknown
ZyNOS ROM address      : 50080000
System Type            : 10
MAC Address            : 001349000001
Default Country Code   : FF
Boot Module Debug Flag : 00
RomFile Version        : 7C
RomFile Checksum       : 9b60
ZyNOS Checksum         : c0b6
SNMP MIB level & OID    : 060102030405060708091011121314151617181920
Main Feature Bits      : C0
Other Feature Bits     :
     C9 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
```

Firmware Upgrade:

The ES-3124 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-3124. The upgrade procedure is as follows:

Upgrade ES-3124 FW:

```
C:\> ftp <ES-3124 IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 360TP3C0.bin ras
ftp> bye


Where
  • User name : the management user name, admin by default
```

- Password : the management password, 1234 by default
- 360TP3C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in ES-3124

Configuration Upgrade:

The ES-3124 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-3124. The upgrade procedure is as follows:

Upgrade ES-3124 configuration:

```
C:\> ftp <ES-3124 IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 360TP3C0.rom rom-0
ftp> bye


Where
```
- User name : the management user name, admin by default
- Password : the management password, 1234 by default
- 360TP3C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in ES-3124

ZyXEL ES-3124 V3.60(TP.2)C0

Release Note/Manual Supplement

Date: Sep 23, 2005

This document describes the features in the ES-3124 product for its 3.60(TP.2)C0 release.

Support Platforms:

ZyXEL ES-3124 V3.60(TP.2)C0 supports models: ZyXEL ES-3124

Version:

OS Version: V3.60(TP.2) | 09/21/2005 16:31:06
BootBase Version: V0.6 | 01/14/2005 17:28:00

Features:

27. 24 Auto MDI/MDI-X 100BASE-TX ports for subscribers
28. 2 1000BASE-T ports for cascading
29. 2 1000BASE-T/Mini-GBIC combo ports for uplink
30. 16K layer2 MAC addresses table
31. Support 32MB external packet buffer.
32. IEEE 802.1D transparent bridging
33. Port-based VLAN
34. IEEE 802.1Q tag-based VLAN
35. IGMP snooping
36. MAC filtering
37. Management through console, telnet, SNMP or web management
38. Firmware upgrade by FTP
39. Configuration saving and retrieving
40. Overheat detection
41. LED indications for link status
42. External power backup for internal power module failure
43. 9K jumbo frame
44. Filtering/Mirroring by L2/L3/L4 rules
45. Bandwidth control by L2/L3/L4 rules
46. Egress traffic shaping per port at 64Kbps step
47. Private VLAN for port isolation
48. Double tagging
49. BPDU transparency.
50. SSHv1/SSHv2/SSL
51. Integrated multicast services.
52. Dual rate three colors.
27. ZyXEL EMS support.

Known Issues:

10. Management port test fail in 100M long cable.
11. Management port has compatible issue with Cnet Pro 2000 network interface card.
12. The packets which destination address is marked in the filter setting will always send to port 1.
13. Symbol and dribble error packets will count into FCS error counter.

14. Filtering: In some special cases, setting one MAC with discard-source will cause device filter all packets with this MAC, ether source MAC or destination MAC.
15. Do not suggest cooperate LACP with RSTP more than ten ports.
16. Do not support tagged frame forwarding in the Port-Based VLAN.
17. If the contact between RJ45 and wire cable or the wire cable is unstable, the cable diagnostics maybe fail.

Fix:

Manufacturing Data:

```
ZyNOS Version          : V3.60(TP.2) | 09/21/2005 16:31:06
Bootbase Version       : V0.6 | 01/14/2005 17:28:00
Serial Number          : Z51622718
Vendor Name            : ZyXEL Communications Corp.
Product Model          : ES-3124
ZyNOS Code Model       : ES3124
HTP Code Model         : Unknown
ZyNOS ROM address      : 50080000
System Type            : 10
MAC Address            : 00134920041E
Default Country Code   : FF
Boot Module Debug Flag : 01
RomFile Version        : 7C
RomFile Checksum       : 9b60
ZyNOS Checksum         : ec68
SNMP MIB level & OID   : 060102030405060708091011121314151617181920
Main Feature Bits      : C0
Other Feature Bits     :
      C9 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
```

Firmware Upgrade:

The ES-3124 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-3124. The upgrade procedure is as follows:

Upgrade ES-3124 FW:

```
C:\> ftp <ES-3124 IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 360TP2C0.bin ras
ftp> bye
```

```
Where
   • User name : the management user name, admin by default
   • Password : the management password, 1234 by default
   • 360TP2C0.bin : the name of firmware file you want to upgrade
   • ras : the internal firmware name in ES-3124
```

Configuration Upgrade:

The ES-3124 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-3124. The upgrade procedure is as follows:

Upgrade ES-3124 configuration:

```
C:\> ftp <ES-3124 IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 360TP2C0.rom rom-0
ftp> bye
```

```
Where
   • User name : the management user name, admin by default
   • Password : the management password, 1234 by default
   • 360TP2C0.rom : the name of configuration file you want to
       upgrade
   • rom-0 : the internal configuration name in ES-3124
```