

# ZyXEL ES-2108-LC V3.60(ABT.1)C0

## Release Note/Manual Supplement

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**Date:** April 17, 2006

This document describes the features in the ES-2108-LC product for its 3.60(ABT.1)C0 release.

### **Support Platforms:**

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ZyXEL ES-2108-LC V3.60(ABT.1)C0 supports models: ZyXEL ES-2108-LC

### **Version:**

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ZyNOS F/W Version: V3.60(ABT.1) | 04/17/2006

Bootbase Version: V1.01 | 01/04/2006

### **Default Bootbase Setting:**

|                        |                                                    |
|------------------------|----------------------------------------------------|
| ZyNOS Version          | V3.60(ABT.1)   04/17/2006 19:01:52                 |
| Bootbase Version       | V1.01   01/04/2006 11:11:32                        |
| Vendor Name            | ZyXEL                                              |
| Product Model          | ES-2108-LC                                         |
| ZyNOS Code Model       | ES2108LC                                           |
| HTP Code Model         | Unknown                                            |
| ZyNOS ROM address      | bfc10000                                           |
| System Type            | 8                                                  |
| MAC Address            | 001349000001                                       |
| Default Country Code   | FF                                                 |
| Boot Module Debug Flag | 01                                                 |
| RomFile Version        | 08                                                 |
| RomFile Checksum       | 1e3b                                               |
| ZyNOS Checksum         | 94af                                               |
| SNMP MIB level & OID   | 060102030405060708091011121314151617181920         |
| Main Feature Bits      | C0                                                 |
| Other Feature Bits     |                                                    |
|                        | FC 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 |
|                        | 00 00 00 00 00 00 00 00-00 00 00 13 00 00 00       |

### **Enhanced Features:**

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### **Bug Fix:**

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### **Known Issue:**

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1. For the same ports, LACP and RSTP cannot be activated at the same time.

2. The counter of packets whose length is between 1519 and 1522 (without VLAN tag but including FCS) will be counted both in the range of 1024 to 1518 and Giant.
3. The device will be too busy to responding if it is still learning VLAN from GVRP and configuring the VLAN table. After the process of configuring VLAN table is done, the device will still work well.

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***Limitation of Settings:***

1. VLAN 1Q static entry 256
2. Static MAC forwarding entry 256
3. MAC filtering entry 256
4. Cluster member 24
5. Management IP address 64

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***Change History:***

V3.60(ABT.1) (04/17/2006)  
Support new revision of switch chip.

V3.60(ABT.0) (01/13/2006)  
First Public version

## ZyXEL ES-2108-LC V3.60(ABT.0)C0

### Release Note/Manual Supplement

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**Date:** February 7, 2006

This document describes the features in the ES-2108-LC product for its 3.60(ABT.0)C0 release.

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***Support Platforms:***

ZyXEL ES-2108-LC V3.60(ABT.0)C0 supports models: ZyXEL ES-2108-LC

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***Version:***

ZyNOS F/W Version: V3.60(ABT.0) | 02/07/2006  
Bootbase Version: V1.01 | 01/04/2006

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***Default Bootbase Setting:***

|                   |                                    |
|-------------------|------------------------------------|
| ZyNOS Version     | V3.60(ABT.0)   02/07/2006 13:49:35 |
| Bootbase Version  | V1.01   01/04/2006 11:11:32        |
| Vendor Name       | ZyXEL                              |
| Product Model     | ES-2108-LC                         |
| ZyNOS Code Model  | ES2108LC                           |
| HTP Code Model    | Unknown                            |
| ZyNOS ROM address | bfc10000                           |
| System Type       | 8                                  |
| MAC Address       | 001349000001                       |

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Default Country Code   | FF                                              |
| Boot Module Debug Flag | 01                                              |
| RomFile Version        | 08                                              |
| RomFile Checksum       | 1e3b                                            |
| ZyNOS Checksum         | e776                                            |
| SNMP MIB level & OID   | 060102030405060708091011121314151617181920      |
| Main Feature Bits      | C0                                              |
| Other Feature Bits     |                                                 |
|                        | FC 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 |
|                        | 00 00 00 00 00 00 00 00-00 00 13 00 00 00       |

### **Features:**

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1. MAC address learning
2. Support IEEE 802.1D transparent bridge
3. Support IEEE 802.1Q tagged VLAN
4. Support Port-based VLAN
5. Support IEEE 802.1X
6. Support IEEE 802.1W
7. Support IEEE 802.3AD
8. Support GVRP
9. IGMP snooping
10. Support IEEE 802.1p
11. Automatic age out
12. Specific MAC addresses forwarding per port
13. MAC Filtering
14. Port Trunking
15. Port Mirroring
16. Bandwidth Control
17. Broadcast Storm Control
18. Support Strict Priority and WRR queuing method
19. Static IP management or dynamic IP(DHCP client)
20. Multiple IP address management
21. Firmware upgrade and configuration backup/restore.
22. Remote manageable.
23. Cluster Management
24. WEB manageable
25. Support RFC-1213 MIB II
26. Support RFC-1493 Bridge MIB
27. Support RFC-1643 Ethernet MIB
28. Support RFC-1757 Four group of RMON
29. Support RFC-2674 VLAN MIB
30. NEW CLI supported
31. System configuration backup / restore in text-mode
32. Multiple login supported
33. Radius management authentication
34. SSH/SSL support

### **Known Issue:**

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1. For the same ports, LACP and RSTP cannot be activated at the same time.
2. The counter of packets whose length is between 1519 and 1522 (without VLAN tag but including FCS) will be counted both in the range of 1024 to 1518 and Giant.
3. The device will be too busy to responding if it is still learning VLAN from GVRP and configuring the VLAN table. After the process of configuring VLAN table is done, the device will still work well.

### ***Limitation of Settings:***

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1. VLAN 1Q static entry 256
2. Static MAC forwarding entry 256
3. MAC filtering entry 256
4. Cluster member 24
5. Management IP address 64

### ***Change History:***

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V3.60(ABT.0) (01/13/2006)  
First Public version

### ***Firmware Upgrade:***

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The ES-2108-LC 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-2108-LC. The upgrade procedure is as follows:

#### **Upgrade ES-2108-LC FW:**

```
C:\> ftp <ES-2108-LC IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360ABT0C0.bin ras
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360ABT0C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in ES-2108-LC

### ***Configuration Upgrade:***

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The ES-2108-LC 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-2108-LC. The upgrade procedure is as follows:

#### **Upgrade ES-2108-LC configuration:**

```
C:\> ftp <ES-2108-LC IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360ABT0C0.rom rom-0
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360ABT0C0.rom : the name of configuration file you want to upgrade

- rom-0 : the internal configuration name in ES-2108-LC