ZyXEL ES-2108 V3.70(ABK.0)C1

Release Note/Manual Supplement

Date: November 27, 2006

This document describes the features in the ES-2108 product for its 3.70(ABK.0)C1 release.

Support Platforms:

ZyXEL ES-2108 V3.70(ABK.0)C1 supports models: ZyXEL ES-2108

Version:

ZyNOS F/W Version: V3.70(ABK.0) | 07/31/2006
Bootbase Version: V1.01 | 11/27/2006

Default Bootbase Setting:

ZyNOS Version	V3.70(ABK.0)	07/31/2006 18:05:06
Bootbase Version	V1.01	11/27/2006 14:56:05
Vendor Name	ZyXEL
Product Model	ES-2108
ZyNOS Code Model	
HTP Code Model	Unknown
ZyNOS ROM address	bfc10000
System Type	8
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	0E
RomFile Checksum	4854
ZyNOS Checksum	147d
SNMP MIB level & OID	0601020304050607080910111213141516171819 20
Main Feature Bits	C0
Other Feature Bits	
F2 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:

None

Known Issue:

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.

Bug Fix:

None

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
6. IGMP MVR entry 256
7. IGMP Filtering profile 256
8. Syslog server entry 4

Change History:

V3.70(ABK.0)C1 (11/27/2006)
     Change the prefix of MAC address

V3.70(ABK.0) (07/31/2006)
     Support new features and fix bugs

V3.60(ABK.2) (04/25/2006)
     Support new revision of switch chip.

V3.60(ABK.1) (01/13/2006)
     Support NetAtlas Enterprise 1.02

V3.60(ABK.0) (09/22/2005)
     First Public version

ZyXEL ES-2108 V3.70(ABK.0)C0

Release Note/Manual Supplement

Date: July 31, 2006

This document describes the features in the ES-2108 product for its 3.70(ABK.0)C0 release.

Support Platforms:

ZyXEL ES-2108 V3.70(ABK.0)C0 supports models: ZyXEL ES-2108

Version:

ZyNOS F/W Version: V3.70(ABK.0) | 07/31/2006
Bootbase Version: V1.00 | 06/27/2005

Default Bootbase Setting:

ZyNOS Version	V3.70(ABK.0) | 07/31/2006 18:05:06
Bootbase Version	V1.00 | 06/27/2005 11:59:40
Vendor Name	ZyXEL
Product Model	ES-2108
ZyNOS Code Model	
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	0E
RomFile Checksum	4854
ZyNOS Checksum	147d
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
F2 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:

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
35. DiffServ feature (DSCP – 802.1p priority mapping)

36. Multicast
37. MVR
38. IGMP Filtering
39. Syslog
40. Administration user management
41. RADIUS enhancement(for 802.1X enhancenment and multiple radius servers)
42. IGMP enhancement
43. Web enhancement (Select all, Clone)

Known Issue:

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.

Bug Fix:

1. BPDU loop will make DUT unreachable.
2. The passwords of logins accounts are shown in config file.
3. When configuring force speed, DUT can't link up with straight through cable.
4. BPDU packets are always tagged out.
5. Packets will be forwarded between VLANs after reboot.
6. PC can ping the IP of default management VLAN even not inside the VLAN domain.
7. The DUT will crash when scanned by MaxPatrol.
8. TCP session won't be reset after restore configuration.
9. Port 8 is the uplink port on ES-2108 when VLAN type is 802.1q and port-isolation is enabled.

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
6. IGMP MVR entry 256
7. IGMP Filtering profile 256
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Change History:

V3.70(ABK.0) (07/31/2006)
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Firmware Upgrade:

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

Upgrade ES-2108 FW:

```
C:\> ftp <ES-2108 IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 370ABK0C0.bin ras
ftp> bye
```

```
Where
  • User name : just press <Enter>
  • Password : the management password, 1234 by default
  • 370ABK0C0.bin : the name of firmware file you want to upgrade
  • ras : the internal firmware name in ES-2108
```

Configuration Upgrade:

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

Upgrade ES-2108 configuration:

```
C:\> ftp <ES-2108 IP address>
User : admin<Enter>
Password: 1234
230 Logged in
ftp> put 370ABK0C0.rom rom-0
ftp> bye
```

```
Where
  • User name : admin <Enter>
  • Password : the management password, 1234 by default
  • 370ABK0C0.rom : the name of configuration file you want to upgrade
  • rom-0 : the internal configuration name in ES-2108
```