

ZyXEL GS-3012F V3.70(LR.0)C0

Release Note/Manual Supplement

Date: Nov 27, 2006

This document describes the features in the GS-3012F product for its 3.70(LR.0)C0 release.

Support Platforms:

ZyXEL GS-3012F V3.70(LR.0)C0 supports models: ZyXEL GS-3012F

Version:

OS Version: V3.70(LR.0) | 11/27/2006 14:14:23

BootBase Version: V3.00 | 01/14/2005

Default Bootbase Setting:

ZyNOS Version	V3.70(LR.0) 11/27/2006 14:14:23
Bootbase Version	V3.00 01/14/2005 22:06:52
Vendor Name	ZyXEL Communications Corp
Product Model	GS-3012F
ZyNOS Code Model	GS-3012F
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	7B
RomFile Checksum	3c1e
ZyNOS Checksum	1e7e
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
BE 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 41 13 00 00 00	

New Features

1. MRSTP support

Features:

2. Multiple login supported (through RADIUS)
3. IGMP snooping timer configuration supported
4. RFC-2863 (Interface MIB), RFC-2674 (Extended Bridge MIB), RFC-2925 (Ping & Trace Route) supported.
5. PLT (Packet Loop Test).
6. SSL/SSHv2
7. TFTP client/server.
8. Bridge control protocol transparency supported.
9. Radius management authentication.
10. Multiple login supported.
11. Multiple management IP supported.

12. Multiple ping/traceroute instances supported.
13. New CLI supported.
14. Multiple configurations supported.
15. System configuration backup / restore in text-mode.
16. DHCP relay and relay agent information (option-82) supported.
17. Upgrade switch driver to V.4.2.6.
18. Read copper/fiber status on web.
19. Bootbase version V3.00: using new MAC prefix 00-13-49
20. Multicast
21. MVR
22. IGMP Filtering
23. CIR & PIR
24. Mac Freeze
25. Intrusion Lock
26. Syslog
27. Page support for displaying configuration
28. Reserve multicast group support

Known Issue:

1. 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.
2. When user active LACP and RSTP, sometimes LACP is failed.
3. The system needs few minutes (under 2 mins) to complete link aggregation.
4. Many to One Throughput Test failed.
5. Do not support tagged frame forwarding in the Port-Based VLAN.

Bug Fix:

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. Management IP address 64
6. Classifier entry 128
7. Policy rule entry 128
8. IGMP MVR entry 256
9. IGMP filtering profile 256
10. Syslog server entry 4

Firmware Upgrade:

The GS-3012F 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 GS-3012F. The upgrade procedure is as follows:

Upgrade GS-3012F FW:

```
C:\> ftp <GS-3012F IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 370LR0C0.bin ras
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 370LR0C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in GS-3012F

Configuration Upgrade:

The GS-3012F 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 GS-3012F. The upgrade procedure is as follows:

Upgrade GS-3012F configuration:

```
C:\> ftp <GS-3012F IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 370LR0C0.rom rom-0
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 370LR0C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in GS-3012F

ZyXEL GS-3012F V3.60(LR.2)C0

Release Note/Manual Supplement

Date: April 26, 2006

This document describes the features in the GS-3012F product for its 3.60(LR.2)C0 release.

Support Platforms:

ZyXEL GS-3012F V3.60(LR.2)C0 supports models: ZyXEL GS-3012F

Version:

OS Version: V3.60(LR.2) | 04/26/2006 18:45:21

BootBase Version: V3.00 | 01/14/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(LR.2) 04/26/2006 18:45:21
Bootbase Version	V3.00 01/14/2005 22:04:44
Vendor Name	ZyXEL Communications Corp
Product Model	GS-3012F
ZyNOS Code Model	GS-3012F
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	3A
RomFile Checksum	eb14
ZyNOS Checksum	d745
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
	B1 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

Enhanced Features:

1. Revise Fan speed limit high from 6500 to 7000

Bug Fix:

- 1.

Known Issue:

6. 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.
7. When user active LACP and RSTP, sometimes LACP is failed.
8. The system needs few minutes (under 2 mins) to complete link aggregation.
9. Many to One Throughput Test failed.

10. Do not support tagged frame forwarding in the Port-Based VLAN.

Limitation of Settings:

11. VLAN 1Q static entry 1024
12. Static MAC forwarding entry 256
13. MAC filtering entry 256
14. Cluster member 24
15. Management IP address 64
16. Classifier entry 128
17. Policy rule entry 128
18. IGMP MVR entry 256
19. IGMP filtering profile 256
20. Syslog server entry 4

Change History:

V3.60(LR.2)C0 (4/26/2006)

Enhanced features:

1. Revise Fan speed limit high from 6500 to 7000

V3.60(LR.1)C0 (11/30/2005)

New Features:

1. Multicast
2. MVR
3. IGMP Filtering
4. CIR & PIR
5. Mac Freeze
6. Intrusion Lock
7. Syslog

Revised:

1. enlarge VLAN 1Q static entry to 1024

Bug Fixed :

1. CPU utilization division by 0 will cause crash when generate ssh/ssl key
2. Windows File Sharing low performance
3. Receiving jumbo packet cause system hang
4. CLI "timesync" cause config restore fail
5. Remove "time" and "time date" in backup configuration
6. In bandwidth control setting, specify the maximum bandwidth allowed in Kbps.
7. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
8. Backup config name string with space
9. fix web timeout bug
10. GVRP problem
11. snmp bugs
12. When set out-of band default gateway after reboot DUT the in-band default gateway get from DHCP server will lost .
13. After build 256 classifiers , the classifier's webpage are abnormal.
14. Broadcast storm control should support 262143 pkt/s from port1~9.
15. The Static route Metric value is 0~15 but in help page is 1~15
16. PC can't ping to DUT before authenticated.
17. When modify forbiddenport of vlan via snmp.The all port will be change to untagged, even we don't select to forbidden.
18. When enable DHCP Relay and option8.2 after enter traceroute of CLI ,the DUT will crashed itself
19. When enabled Cluster Management, user can't use Telnet or SSH client to rcommand member ,and the key in words in Telnet or SSH client will also print in console.

V3.60(LR.0)C0 (2/3/2005)
First Public version

ZyXEL GS-3012F V3.60(LR.1)C0

Release Note/Manual Supplement

Date: Dec 12, 2005

This document describes the features in the GS-3012F product for its 3.60(LR.1)C0 release.

Support Platforms:

ZyXEL GS-3012F V3.60(LR.1)C0 supports models: ZyXEL GS-3012F

Version:

OS Version: V3.60(LR.1) | 12/12/2005 18:17:02

BootBase Version: V3.00 | 01/14/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(LR.1) 12/12/2005 18:17:02
Bootbase Version	V3.00 01/14/2005 22:04:44
Vendor Name	ZyXEL Communications Corp
Product Model	GS-3012F
ZyNOS Code Model	GS-3012F
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	3A
RomFile Checksum	eb14
ZyNOS Checksum	22d9
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
	B1 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

Enhanced Features:

2. Multicast
3. MVR
4. IGMP Filtering
5. CIR & PIR
6. Mac Freeze
7. Intrusion Lock
8. Syslog

Bug Fix:

2. CPU utilization division by 0 will cause crash when generate ssh/ssl key
3. Windows File Sharing low performance
4. Receiving jumbo packet cause system hang

5. CLI "timesync" cause config restore fail
6. Remove "time" and "time date" in backup configuration
7. In bandwidth control setting, specify the maximum bandwidth allowed in Kbps.
8. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
9. Backup config name string with space
10. fix web timeout bug
11. GVRP problem
12. snmp bugs
13. When set out-of band default gateway after reboot DUT the in-band default gateway get from DHCP server will lost .
14. After build 256 classifiers , the classifier's webpage are abnormal.
15. Broadcast storm control should support 262143 pkt/s from port1~9.
16. The Static route Metric value is 0~15 but in help page is 1~15
17. PC can't ping to DUT before authenticated.
18. When modify forbidden port of vlan via snmp. The all port will be change to untagged, even we don't select to forbidden.
19. When enable DHCP Relay and option 8.2 after enter traceroute of CLI ,the DUT will crashed itself
20. When enabled Cluster Management, user can't use Telnet or SSH client to rcommand member ,and the key in words in Telnet or SSH client will also print in console.

Known Issue:

11. 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.
12. When user active LACP and RSTP, sometimes LACP is failed.
13. The system needs few minutes (under 2 mins) to complete link aggregation.
14. Many to One Throughput Test failed.
15. Do not support tagged frame forwarding in the Port-Based VLAN.

Limitation of Settings:

21. VLAN 1Q static entry 1024
22. Static MAC forwarding entry 256
23. MAC filtering entry 256
24. Cluster member 24
25. Management IP address 64
26. Classifier entry 128
27. Policy rule entry 128
28. IGMP MVR entry 256
29. IGMP filtering profile 256
30. Syslog server entry 4

Change History:

V3.60(LR.1)C0 (11/30/2005)

New Features:

8. Multicast
9. MVR
10. IGMP Filtering
11. CIR & PIR
12. Mac Freeze
13. Intrusion Lock
14. Syslog

Revised:

2. enlarge VLAN 1Q static entry to 1024

Bug Fixed :

20. CPU utilization division by 0 will cause crash when generate ssh/ssl key
21. Windows File Sharing low performance
22. Receiving jumbo packet cause system hang
23. CLI "timesync" cause config restore fail
24. Remove "time" and "time date" in backup configuration
25. In bandwidth control setting, specify the maximum bandwidth allowed in Kbps.
26. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
27. Backup config name string with space
28. fix web timeout bug
29. GVRP problem
30. snmp bugs
31. When set out-of band default gateway after reboot DUT the in-band default gateway get from DHCP server will lost .
32. After build 256 classifiers , the classifier's webpage are abnormal.
33. Broadcast storm control should support 262143 pkt/s from port1~9.
34. The Static route Metric value is 0~15 but in help page is 1~15
35. PC can't ping to DUT before authenticated.
36. When modify forbiddenport of vlan via snmp. The all port will be change to untagged, even we don't select to forbidden.
37. When enable DHCP Relay and option8.2 after enter traceroute of CLI ,the DUT will crashed itself
38. When enabled Cluster Management, user can't use Telnet or SSH client to rcommand member ,and the key in words in Telnet or SSH client will also print in console.

V3.60(LR.0)C0 (2/3/2005)

First Public version

ZyXEL GS-3012F V3.60(LR.0)C0

Release Note/Manual Supplement

Date: Feb 03, 2005

This document describes the features in the GS-3012F product for its 3.60(LR.0)C0 release.

Support Platforms:

ZyXEL GS-3012F V3.60(LR.0)C0 supports models: ZyXEL GS-3012F

Version:

OS Version: V3.60(LR.0) | 02/03/2005

BootBase Version: V3.00 | 01/14/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(LR.0) 02/03/2005 20:55:24
Bootbase Version	V3.00 01/14/2005 22:06:52
Vendor Name	ZyXEL Communications Corp
Product Model	GS-3012F
ZyNOS Code Model	GS-3012F
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	7E
RomFile Checksum	7ebb
ZyNOS Checksum	1e04
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
BE 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. RFC-2863 (Interface MIB), RFC-2674 (Extended Bridge MIB), RFC-2925 (Ping & Trace Route) supported.
2. PLT (Packet Loop Test).
3. SSL/SSHv2
4. TFTP client/server.
5. Bridge control protocol transparency supported.
6. Radius management authentication.
7. Multiple login supported.
8. Multiple management IP supported.
9. Multiple ping/traceroute instances supported.
10. New CLI supported.

11. Multiple configurations supported.
12. System configuration backup / restore in text-mode.
13. DHCP relay and relay agent information (option-82) supported.
14. Upgrade switch driver to V.4.2.6.
15. Read copper/fiber status on web.
16. Remove cluster management from web.
17. Disable web session idle timeout on web
18. Bootbase version V3.00: using new MAC prefix 00-13-49

Known Issue:

1. 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.
2. When user active LACP and RSTP, sometimes LACP is failed.
3. The system needs few minutes (under 2 mins) to complete link aggregation.
4. RFC 2889 Many to One Throughput Test failed.

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. Classifier entry 128
7. Policy rule entry 128

Change History:

V3.60(LR.0)C0 (2/3/2005)
First Public version

Firmware Upgrade:

The GS-3012F 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 GS-3012F. The upgrade procedure is as follows:

Upgrade GS-3012F FW:

```
C:\> ftp <GS-3012F IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360LR0C0.bin ras
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360LR0C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in GS-3012F

Configuration Upgrade:

The GS-3012F 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 GS-3012F. The upgrade procedure is as follows:

Upgrade GS-3012F configuration:

```
C:\> ftp <GS-3012F IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360LR0C0.rom rom-0
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360LR0C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in GS-3012F