

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:

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

Bug Fix:

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. When set out-of band default gateway after reboot DUT the in-band default gateway get from DHCP server will lost .
12. After build 256 classifiers , the classifier's webpage are abnormal.
13. Broadcast storm control should support 262143 pkt/s from port1~9.
14. The Static route Metric value is 0~15 but in help page is 1~15.
15. DUT should not reply ping to PC before authenticated.
16. When modify forbiddenport of vlan via snmp.The all port will be change to untagged, even we don't select to forbidden.
17. When enable DHCP Relay and option8.2 after enter traceroute of CLI ,the DUT will crashed itself
18. 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:

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.

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

Change History:

V3.60(LR.1)C0 (12/12/2005)

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. When set out-of band default gateway after reboot DUT the in-band default gateway get from DHCP server will lost .
12. After build 256 classifiers , the classifier's webpage are abnormal.
13. Broadcast storm control should support 262143 pkt/s from port1~9.
14. The Static route Metric value is 0~15 but in help page is 1~15.
15. DUT should not reply ping to PC before authenticated.
16. When modify forbidden port of vlan via snmp. The all port will be change to untagged, even we don't select to forbidden.
17. When enable DHCP Relay and option 8.2 after enter traceroute of CLI ,the DUT will crashed itself
18. When enabled Cluster Management, user can't use Telnet or SSH client to command 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