ZyXEL GS-4012F V3.60(TS.3)C0

Release Note/Manual Supplement

Date: May. 3, 2006

This document describes the features in the GS-4012F product for its 3.60(TS.3)C0 release.

Support Platforms:

ZyXEL GS-4012F V3.60(TS.3)C0 supports models: Dimension GS-4012F

Version:

ZyNOS version: V3.60(TS.3) | 05/03/2006 17:56:14
bootbase version: V3.0 | 04/08/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(TS.3)	05/03/2006 17:56:14
Bootbase Version	V3.0	04/08/2005 18:23:15
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4012F
ZyNOS Code Model	GS-4012F
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0013494012F3
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	5A
RomFile Checksum	67ef
ZyNOS Checksum	8125
SNMP MIB level & OID	0601020304050607080910111213141516171819 20
Main Feature Bits	C0
Other Feature Bits	
D8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Enhanced Features:

1. Change fan speed high from 6500 to 7000

Bug Fix:

1.

Known Issue:

1. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
2. For many to one test , packet loss 3 % on one receiving port.
3. Discard destination MAC on filter rule , but the same source MAC packet still be filtered.
4. Can't support ip port move.

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 interface 64
6. IGMP Filtering entry 256
7. MVR entry 256
8. Vrrp entry 14
9. OSPF area 4

Change History:

V3.60(TS.3)C0 (5/3/2006)
1. Change fan speed high from 6500 to 7000

V3.60(TS.2)C0 (1/2/2006)
1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove "time" and "time date" in backup configuration
3. Timesync config can't restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.
10. revise ospf interface web page
11. Can't use Cluster Management function with Telnet or SSH client to re-command members.
12. DUT 's RIPv2 multicast function did not work
13. Memory leak bug on stunnel. It will run out of memory when scan https many times.
14. When fiber set to speed 1000, auto negotiation should be turn off.

V3.60(TS.1)C0 (6/26/2005)
V3.60(TS.0)C0 (4/13/2005)
   First Public version
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ZyXEL GS-4012F V3.60(TS.2)C0

Release Note/Manual Supplement

Date: Jan. 2, 2006

This document describes the features in the GS-4012F product for its 3.60(TS.2)C0 release.

Support Platforms:

ZyXEL GS-4012F V3.60(TS.2)C0 supports models: Dimension GS-4012F

Version:

ZyNOS version: V3.60(TS.2) | 01/02/2006
bootbase version: V3.0 | 04/08/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(TS.2)	01/02/2006 10:36:53
Bootbase Version	V3.0	04/08/2005 18:23:15
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4012F
ZyNOS Code Model	GS-4012F
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0013494012F3
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	5A
RomFile Checksum	67ef
ZyNOS Checksum	9b2d
SNMP MIB level & OID	0601020304050607080910111213141516171819 20
Main Feature Bits	C0
Other Feature Bits	
D8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Enhanced Features:

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

Bug Fix:

2. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
3. Remove "time" and "time date" in backup configuration
4. Timesync config can't restore
5. Enable OSPF , send over 8K routing paths, system hang.
6. DUT trap VRRP packets into CPU when VRRP disable
7. Create more than 6 static routing entries, the switch will hang
8. The Vlan status does not recover to original status after change trunking group to none.
9. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
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13. DUT 's RIPv2 multicast function did not work
14. Memory leak bug on stunnel. It will run out of memory when scan https many times.
15. When fiber set to speed 1000, auto negotiation should be turn off.

Known Issue:

5. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
6. For many to one test , packet loss 3 % on one receiving port.
7. Discard destination MAC on filter rule , but the same source MAC packet still be filtered.
8. Can't support ip port move.

Limitation of Settings:

2. VLAN 1Q static entry 256
3. Static MAC forwarding entry 256
4. MAC filtering entry 256
5. Cluster member 24
6. Management IP interface 64
7. IGMP Filtering entry 256
8. MVR entry 256
9. Vrrp entry 14
10. OSPF area 4

Change History:

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove "time" and "time date" in backup configuration
3. Timesync config can't restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.
10. revise ospf interface web page
11. Can't use Cluster Management function with Telnet or SSH client to re-command members.
12. DUT 's RIPv2 multicast function did not work
13. Memory leak bug on stunnel. It will run out of memory when scan https many times.
14. When fiber set to speed 1000, auto negotiation should be turn off.

ZyXEL GS-4012F V3.60(TS.1)C0

Release Note/Manual Supplement

Date: June 26, 2005

This document describes the features in the GS-4012F product for its 3.60(TS.1) release.

Support Platforms:

ZyXEL GS-4012F V3.60(TS.1) supports models: Dimension GS-4012F

Version:

ZyNOS version: V3.60(TS.1) | 06/24/2005
bootbase version: V3.0 | 04/08/2005 18:23:15

Default Bootbase Setting:

ZyNOS Version	V3.60(TS.1)	06/24/2005
Bootbase Version	V3.0	04/08/2005 18:23:15
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4012F
ZyNOS Code Model	GS-4012F
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	DF
RomFile Checksum	7bc3
ZyNOS Checksum	8751
SNMP MIB level & OID	06010203040506070809101112131415161718192 0
Main Feature Bits	C0
Other Feature Bits	
D8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Known Issue:

1. When restore configuration, the default VLAN and the default IP address will be implicitly created.
2. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.

ZyXEL GS-4012F V3.60(TS.0)C0

Release Note/Manual Supplement

Date: April 13, 2005

This document describes the features in the GS-4012F product for its 3.60(TS.0) release.

Support Platforms:

ZyXEL GS-4012F V3.60(TS.0) supports models: Dimension GS-4012F

Version:

ZyNOS version: V3.60(TS.0) | 04/13/2005 19:51:31
bootbase version: V3.0 | 04/08/2005 18:23:15

Default Bootbase Setting:

ZyNOS Version	V3.60(TS.0)	04/13/2005 19:51:31
Bootbase Version	V3.0	04/08/2005 18:23:15
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4012F
ZyNOS Code Model	GS-4012F
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	DF
RomFile Checksum	7bc3
ZyNOS Checksum	e400
SNMP MIB level & OID	0601020304050607080910111213141516171819 2 0
Main Feature Bits	C0
Other Feature Bits	
D8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Features:

1. 4 ports Auto MDI/MDI-X 100/1000Mbps compliant with IEEE802.3u/x/ad
2. 12 ports Mini GBIC 1000Mbps compliant with IEEE802.3x/ab
3. 16K layer2 MAC addresses table
4. 8K IP address table
5. Support 1MB on-chip packet buffer.
6. 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
21. Private VLAN for port isolation
22. SSH v1 and v2
23. SSL

Known Issue:

1. When restore configuration, the default VLAN and the default IP address will be implicitly created.
2. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.

Change History:

V3.60(TS.0)C0(04/13/2005) is First Public version

Firmware Upgrade:

The GS-4012F 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-4012F. The upgrade procedure is as follows:

Upgrade GS-4012F FW:

   C:\> ftp <GS-4012F IP address>
   User : admin
   Password: 1234
   230 Logged in
   ftp> put 360TS0C0.bin ras
   ftp> bye

   Where
   • User name : the management user name,admin by default
   • Password : the management password, 1234 by default
   • 360TS0C0.bin : the name of firmware file you want to upgrade
   • ras : the internal firmware name in GS-4012F

Configuration Upgrade:

The GS-4012F 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-4012F. The upgrade procedure is as follows:

Upgrade GS-4012F FW:

C:\> ftp <GS-4012F IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 360TS0C0.rom rom-0
ftp> bye

Where
- User name : the management user name, admin by default
- Password : the management password, 1234 by default
- 360TS0C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in GS-4012F