

ZyXEL GS2200-24 V4.00(BPM.4)C0

Release Note/Manual Supplement

Date: Sep. 1, 2015

This document describes the features in the GS2200-24 product for its 4.00(BPM.4)C0 release.

Support Platforms:

ZyXEL GS2200-24 V4.00(BPM.4)C0 supports models: ZyXEL GS2200-24

Version:

OS Version: V4.00(BPM.4) | 08/31/2015

BootBase Version: V1.03 | 06/16/2009

Default Bootbase Setting:

ZyNOS Version	V4.00(BPM.4) 08/31/2015 18:33:01
Bootbase Version	V1.03 06/16/2009 10:24:44
Vendor Name	ZyXEL
Product Model	GS2200-24
ZyNOS Code Model	GS2200-24
HTP Code Model	Unknown
ZyNOS ROM address	bd090000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00001D
MAC Address Quantity	29
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	49
RomFile Checksum	701e
ZyNOS Checksum	6edc
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
02 35 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 00	

Enhanced Features:

1. [PoE] Enhance PoE compatible with other PD device. (GS2200-8HP, GS2200-24P)

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
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31. System configuration backup / restore in text-mode
32. Multiple login supported
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35. DiffServ feature (DSCP – 802.1p priority mapping)
36. Multicast
37. MVR
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41. RADIUS enhancement(for 802.1X enhancement and multiple radius servers)
42. IGMP enhancement
43. Web enhancement (Select all, Clone)
44. 802.1s MSTP
45. 802.3ah OAM
46. SNMPv3
47. Multilevel CLI
48. SNMP trap group
49. configurable multicast VLAN
50. independent IGMP snooping and MVR setting
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54. TACACS+ authentication
55. TACACS+ accounting
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57. Loop guard
58. Daylight saving time
59. DHCP relay
60. MAC search
61. VLAN search
62. Support transceiver DDMI information
63. Authorization on TACACS+
64. IGMP throttling

65. Static multicast
66. Support IGMP snooping fast leave
67. Support IGMP snooping statistics
68. Support DDM MIB (private MIB)
69. Support MVR up to 5 multicast VLANs
70. 802.1AB LLDP
71. L2PT
72. MAC-freeze GUI interface
73. LACP algorithm of Source/Destination
74. Cable diagnostics
75. Intrusion lock
76. Support new mac prefix
77. DHCPv6: client and relay
78. ICMPv6
79. IPv6 Path MTU
80. NDP: host
81. IPv6 address stateless auto-configuration: host
82. Guest VLAN
83. Password encryption
84. User access right
85. PPPoE IA and option 82
86. Configurable ARP learning mode
87. Recovery mechanism for error-disabled port/reason.
88. CPU protection
89. Support display IGMP snooping client
90. Support IPv6 in classifier
91. Remote configuration merge by TFTP
92. Support RFC4293 Management Information Base (MIB) for IP
93. Support RFC4292 IP Forwarding Table MIB
94. Support RFC4022 Management Information Base for the Transmission Control Protocol
95. Support RFC4113 Management Information Base for the User Datagram Protocol
96. Remote configuration merge by TFTP
97. Synchronize system log and syslog
98. Configurable RSTP/MRSTP per edge
99. CLI for ARP flush on specific IP or port lists
100. CLI for dump memory usage
101. CLI for RMON configuration
102. CLI/MIB for IGMP report-proxy mode
103. Extend to 8 trunk groups
104. ARP freeze
105. ARP aging time

Bug Fix:

1. [Port Security] The client may not be able to get ip address when enable port security and DHCP snooping.
2. [SNMP] When using OpenNMS to monitor SSH sessions will cause SSH service down.
3. [SFP] Randomly reboot issue when the switch is processing the DDMI data.
4. [STP] Switch receive full loading packets will cause spanning-tree topology change.
5. [SNMP] Fix the SNMP get information wrong issue to result in high CPU utilization.
6. [VLAN] Fix the issue to process both tagged and untagged packets for the subnet-based VLAN feature.
7. [Hardware Monitor] Fix the displayed issue for the temperature unit to be Celsius in the syslog.
8. [Ingress Check] Fix the issue that ingress check cannot take effect when enabling ingress check and ARP inspection at the same time.
9. [MGMT] Turn off SSH/Telnet terminal directly when SSH/Telnet output not completed will cause device exception.

Known Issue:

1. It may cause CPU overload when create too many MSTP instances or join too many ports of each MSTP instance.
2. MSTP has the *Count-into-Infinity* issue in the special case when root bridge disappeared.
3. The second SSH connection will fail if the first one is during login phase.
4. Switch will not be able to distinguish different 802.1p priority(Mostly used by queuing method) when flow control is enabled.

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. IGMP MVR entry 256
7. IGMP Filtering profile 256
8. Syslog server entry 4
9. DHCP Entry 16
10. Protocol based VLAN entries per port 7
11. Subnet based VLAN entry 16

Change History:

V4.00(BPM.4)C0 (08/31/2015)
Bug fix

V4.00(BPM.3)C0 (03/04/2014)
Bug fix

V4.00(BPM.2)C0 (11/05/2013)
Bug fix

V4.00(BPM.1)C0 (12/11/2012)
Bug fix

V4.00(BPM.0)C0 (12/16/2011)
Support enhanced features

V3.90(BPM.2)C0 (09/03/2010)
Support enhanced features

V3.90(BPM.1)C0 (04/22/2010)
Bugs fix

V3.90(BPM.0)C0 (06/16/2009)
First Public Version

ZyXEL GS2200-24 V4.00(BPM.3)C0

Release Note/Manual Supplement

Date: March. 4, 2014

This document describes the features in the GS2200-24 product for its 4.00(BPM.3)C0 release.

Support Platforms:

ZyXEL GS2200-24 V4.00(BPM.3)C0 supports models: ZyXEL GS2200-24

Version:

OS Version: V4.00(BPM.3) | 03/04/2014

BootBase Version: V1.03 | 06/16/2009

Default Bootbase Setting:

ZyNOS Version	V4.00(BPM.3) 03/04/2014 19:08:13
Bootbase Version	V1.03 06/16/2009 10:24:44
Vendor Name	ZyXEL
Product Model	GS2200-24
ZyNOS Code Model	GS2200-24
HTP Code Model	Unknown
ZyNOS ROM address	bd090000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00001D
MAC Address Quantity	29
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	49
RomFile Checksum	701e
ZyNOS Checksum	c680
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
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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
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99. CLI for ARP flush on specific IP or port lists
100. CLI for dump memory usage
101. CLI for RMON configuration
102. CLI/MIB for IGMP report-proxy mode
103. Extend to 8 trunk groups
104. ARP freeze
105. ARP aging time

Enhanced Features:

1. The temperature threshold is updated on GS2200-8 and GS2200-24
Board: 90
MAC: 90
Phy: 97

Bug Fix:

1. When the switch is in the default config, if we set the service-control http 23 30, the DUT will crash since command parsed error.
2. When using SNMPc to view the dot1agCfmMepDbTable (OID: 1.3.111.2.802.1.1.8.1.7.3), DUT will crash
3. When uploading firmware using ftp from in-band, and write memory 1 at the same time, DUT will crash.
4. When send error packet to DUT, we cannot see error count at UI(Web, CLI) after link down this port.
5. Memory leak due to send fault trap but not free.
6. IP mac move will cause the Ping process fail when linking to two devices with same IP and MAC.
7. Disable arp-learning mode but DUT disable wrong port
8. In spanning tree + static trunk environment, the host's mac will be learned to wrong port.
9. In Web, when set Queues weight over range, the warning message is incorrect.

10. In Web, when setting MRSTP port path cost to invalid value, the error message shows error
11. When igmp-snooping querier is disabled, if the DUT receives a general query with smaller IP than DUT, DUT will periodically send out general query after DUT's querier port timeout.
12. In web set subnet-based VLAN entry with multicast or reserved IP address, write memory, restore config, DUT pop error message.
13. Device crash when backup huge configuration to TFTP server via SSH version 1
14. Doing fiber port link down/up overnight test, DUT crash
15. When system log is full, every newly add log will add a table full log into errlog.
16. Switch does not do mac move in arp-request mode.
17. Power off when system is booting and then reboot the system, will put all port into inactive status in show running and the user config disappear.
18. ALARM LED cannot keep turn ON after HTP burn in test is failed.
19. If the management address type of remote machine is ipv6, management address of "show lldp info remote interface port-channel" will be abnormal format (mac-address format)
20. Clear some warning on *.mib for MIB management tool of what's up
21. ITS (UK): GS2200-24 stop forwarding multicast traffic and loss of management, also the console no response.
22. [Web] ARP table's item will display error when user using web arp table's port flush
23. [ipv6] upload the wrong firmware version (upload GS2200-24P's firmware to GS2200-8HP) will cause DUT crash
24. [Auto]When run the automation script, DUT will crash.
25. Fix "show tech-support" hang
26. DUT sends two or more different LLDP packets on the same port.
27. Normal reboot (warm start) will clear the stack information of crash in the debug area
28. [Web] User cannot access the error.html when configuration is wrong via ipv6 link-local address on Windows XP.
29. [Web] User cannot upgrade firmware via ipv6 link-local address on Windows XP and will cause huge memory leak in this environment

Known Issue:

1. It may cause CPU overload when create too many MSTP instances or join too many ports of each MSTP instance.
2. MSTP has the *Count-into-Infinity* issue in the special case when root bridge disappeared.
3. The second SSH connection will fail if the first one is during login phase.
4. Switch will not be able to distinguish different 802.1p priority (Mostly used by queuing method) when flow control is enabled.

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10. Protocol based VLAN entries per port 7
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Change History:

V4.00(BPM.3)C0 (03/04/2014)
Bug fix

V4.00(BPM.2)C0 (11/05/2013)

Bug fix

V4.00(BPM.1)C0 (12/11/2012)
Bug fix

V4.00(BPM.0)C0 (12/16/2011)
Support enhanced features

V3.90(BPM.2)C0 (09/03/2010)
Support enhanced features

V3.90(BPM.1)C0 (04/22/2010)
Bugs fix

V3.90(BPM.0)C0 (06/16/2009)
First Public Version

ZyXEL GS2200-24 V4.00(BPM.2)C0

Release Note/Manual Supplement

Date: Nov,05, 2013

This document describes the features in the GS2200-24 product for its 4.00(BPM.2)C0 release.

Support Platforms:

ZyXEL GS2200-24 V4.00(BPM.2)C0 supports models: ZyXEL GS2200-24

Version:

OS Version: V4.00(BPM.2) | 11/05/2013

BootBase Version: V1.03 | 06/16/2009

Default Bootbase Setting:

ZyNOS Version	V4.00(BPM.2) 11/05/2013 16:49:24
Bootbase Version	V1.03 06/16/2009 10:24:44
Vendor Name	ZyXEL
Product Model	GS2200-24
ZyNOS Code Model	GS2200-24
HTP Code Model	Unknown
ZyNOS ROM address	bd090000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00001D
MAC Address Quantity	29
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	49
RomFile Checksum	701e
ZyNOS Checksum	5b23
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
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Features:

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101. CLI for RMON configuration
102. CLI/MIB for IGMP report-proxy mode
103. Extend to 8 trunk groups
104. ARP freeze
105. ARP aging time

Enhanced Features:

None.

Bug Fix:

1. [TCP Session] Use https to access devices without input username / password via IE , it should not run out of the TCP session
2. DUT will hang up sometimes
3. DUT will crash when getbulkwalk for OID "1.3.6.1.4.1.890.1.5.8.59.107.30.1.2.4094"
4. Sometimes timer create fail, even cause the switch crash
5. When igmp-snooping is enable, a fake DHCP packet will cause DUT crash
6. All port stop forwarding when a specific port received PAUSE continuously

Known Issue:

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3. The second SSH connection will fail if the first one is during login phase.

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9. DHCP Entry 16
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11. Subnet based VLAN entry 16

Change History:

V4.00(BPM.2)C0 (11/05/2013)
Bug fix

V4.00(BPM.1)C0 (12/11/2012)
Bug fix

V4.00(BPM.0)C0 (12/16/2011)
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ZyXEL GS2200-24 V4.00(BPM.1)C0

Release Note/Manual Supplement

Date: Dec,11 2012

This document describes the features in the GS2200-24 product for its 4.00(BPM.1)C0 release.

Support Platforms:

ZyXEL GS2200-24 V4.00(BPM.1)C0 supports models: ZyXEL GS2200-24

Version:

OS Version: V4.00(BPM.1) | 12/11/2012

BootBase Version: V1.03 | 06/16/2009

Default Bootbase Setting:

ZyNOS Version	V4.00(BPM.1) 12/11/2012 16:29:46
Bootbase Version	V1.03 06/16/2009 10:24:44
Vendor Name	ZyXEL
Product Model	GS2200-24
ZyNOS Code Model	GS2200-24
HTP Code Model	Unknown
ZyNOS ROM address	bd090000
System Type	8
First MAC Address	0019CB000001
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89. Support display IGMP snooping client
90. Support IPv6 in classifier
91. Remote configuration merge by TFTP
92. Support RFC4293 Management Information Base (MIB) for IP
93. Support RFC4292 IP Forwarding Table MIB
94. Support RFC4022 Management Information Base for the Transmission Control Protocol
95. Support RFC4113 Management Information Base for the User Datagram Protocol
96. Remote configuration merge by TFTP
97. Synchronize system log and syslog
98. Configurable RSTP/MRSTP per edge
99. CLI for ARP flush on specific IP or port lists
100. CLI for dump memory usage
101. CLI for RMON configuration
102. CLI/MIB for IGMP report-proxy mode
103. Extend to 8 trunk groups
104. ARP freeze
105. ARP aging time

Enhanced Features:

None.

Bug Fix:

1. DHCP snooping will add a static MAC address.
2. When enable DHCP snooping and port security at the same time, the limited number of learned MAC address is incorrect.
3. When users use "up down arrow" to see previous entered commands and press it too fast, the layout on the screen will be disordered.
4. IS-IS packets will be dropped.
5. DUT will crash when use SNMP to access tcpConnState (OID = 1.3.6.1.2.1.6.13.1.1) with incorrect length key.
6. When set VLAN members via SNMP without all members port-bit-map, VLAN members setting will be abnormal.
7. Allow NULL source MAC address 00:00:00:00:00:00 in MAC filter and classifier.
8. The "Successful writes" in log status of DHCP snooping is always zero even if the new entry is correctly recorded into the file on the TFTP server.
9. Users can not download configuration via FTP with TACACS+ account.
10. DUT will crash when 802.1x client uses PEAP for authentication.

11. DUT will hang up sometimes.
12. Enable trunk will cause protocol-based-vlan fail.

Known Issue:

1. It may cause CPU overload when create too many MSTP instances or join too many ports of each MSTP instance.
2. MSTP has the *Count-into-Infinity* issue in the special case when root bridge disappeared.
3. The second SSH connection will fail if the first one is during login phase.
4. Switch will not be able to distinguish different 802.1p priority(Mostly used by queuing method) when flow control is enabled.

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. IGMP MVR entry 256
7. IGMP Filtering profile 256
8. Syslog server entry 4
9. DHCP Entry 16
10. Protocol based VLAN entries per port 7
11. Subnet based VLAN entry 16

Change History:

- V4.00(BPM.1)C0 (12/11/2012)
Bug fix
- V4.00(BPM.0)C0 (12/16/2011)
Support enhanced features
- V3.90(BPM.2)C0 (09/03/2010)
Support enhanced features
- V3.90(BPM.1)C0 (04/22/2010)
Bugs fix
- V3.90(BPM.0)C0 (06/16/2009)
First Public Version

ZyXEL GS2200-24 V4.00(BPM.0)C0

Release Note/Manual Supplement

Date: Dec,16 2011

This document describes the features in the GS2200-24 product for its 4.00(BPM.0)C0 release.

Support Platforms:

ZyXEL GS2200-24 V4.00(BPM.0)C0 supports models: ZyXEL GS2200-24

Version:

OS Version: V4.00(BPM.0) | 12/16/2011

BootBase Version: V1.03 | 06/16/2009

Default Bootbase Setting:

ZyNOS Version	V4.00(BPM.0) 12/16/2011 16:59:49
Bootbase Version	V1.03 06/16/2009 10:24:44
Vendor Name	ZyXEL
Product Model	GS2200-24
ZyNOS Code Model	GS2200-24
HTP Code Model	Unknown
ZyNOS ROM address	bd090000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00001D
MAC Address Quantity	29
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	6A
RomFile Checksum	d839
ZyNOS Checksum	f2dd
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
02 35 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 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 enhancement and multiple radius servers)
42. IGMP enhancement
43. Web enhancement (Select all, Clone)
44. 802.1s MSTP
45. 802.3ah OAM
46. SNMPv3
47. Multilevel CLI
48. SNMP trap group
49. configurable multicast VLAN
50. independent IGMP snooping and MVR setting
51. Support concurrent telnet sessions up to 9
52. IP source guard(Static binding, ARP inspection)
53. RADIUS accounting
54. TACACS+ authentication
55. TACACS+ accounting
56. IGMPv3 snooping
57. Loop guard
58. Daylight saving time
59. DHCP relay
60. MAC search
61. VLAN search
62. Support transceiver DDMI information
63. Authorization on TACACS+
64. IGMP throttling
65. Static multicast
66. Support IGMP snooping fast leave
67. Support IGMP snooping statistics
68. Support DDM MIB (private MIB)
69. Support MVR up to 5 multicast VLANs
70. 802.1AB LLDP

71. L2PT
72. MAC-freeze GUI interface
73. LACP algorithm of Source/Destination
74. Cable diagnostics
75. Intrusion lock
76. Support new mac prefix

Enhanced Features:

1. DHCPv6: client and relay
2. ICMPv6
3. IPv6 Path MTU
4. NDP: host
5. IPv6 address stateless auto-configuration: host
6. Guest VLAN
7. Password encryption
8. User access right
9. PPPoE IA and option 82
10. Configurable ARP learning mode
11. Recovery mechanism for error-disabled port/reason.
12. CPU protection
13. Support display IGMP snooping client
14. Support IPv6 in classifier
15. Remote configuration merge by TFTP
16. Support RFC4293 Management Information Base (MIB) for IP
17. Support RFC4292 IP Forwarding Table MIB
18. Support RFC4022 Management Information Base for the Transmission Control Protocol
19. Support RFC4113 Management Information Base for the User Datagram Protocol
20. Remote configuration merge by TFTP
21. Synchronize system log and syslog
22. Configurable RSTP/MRSTP per edge
23. CLI for ARP flush on specific IP or port lists
24. CLI for dump memory usage
25. CLI for RMON configuration
26. CLI/MIB for IGMP report-proxy mode
27. Extend to 8 trunk groups
28. ARP freeze
29. ARP aging time

Bug Fix:

1. Reserved multicast packets will be broken if enable igmp-snooping.
2. When enable DHCP snooping and port isolation, unicast DHCP ACK packet will flood.
3. When set port 2 in forbidden port list of VLAN, some snmp tool will appear @
4. When set static MAC via SNMP then show mac address table, the prefix of the MAC will be wrong.
5. When enable port-based VLAN then ping DUT will cause DUT crash.
6. Subscribers can't connect to multicast groups for watching IPTV channels if there is too much unknown multicast traffic.
7. With static MAC and IPSG setting, the DUT will pop error message when ARP inspection filtering timeout.
8. Map cisco privilege level 15 to zyxel privilege level 14.
9. PPPoE IA and protocol-based VLAN can not work at the same time.
10. DUT will crash when enable STP on over 5 ports.
11. DUT does not work well with Link Aggregation + DHCP snooping.
12. Option 82 information is cascaded
13. During programming flash, ping DUT will fail.
14. DUT with LACP will loop while booting.
15. Can not restore configuration via WEB.
16. If DUT enable querier mode and a client left, other clients can not receive multicast data.

Known Issue:

1. It may cause CPU overload when create too many MSTP instances or join too many ports of each MSTP instance.
2. MSTP has the *Count-into-Infinity* issue in the special case when root bridge disappeared.
3. The second SSH connection will fail if the first one is during login phase.

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. IGMP MVR entry 256
7. IGMP Filtering profile 256
8. Syslog server entry 4
9. DHCP Entry 16
10. Protocol based VLAN entries per port 7
11. Subnet based VLAN entry 16

Change History:

V4.00(BPM.0)C0 (12/16/2011)
Support enhanced features

V3.90(BPM.2)C0 (09/03/2010)
Support enhanced features

V3.90(BPM.1)C0 (04/22/2010)
Bugs fix

V3.90(BPM.0)C0 (06/16/2009)
First Public Version

ZyXEL GS2200-24 V3.90(BPM.2)C0

Release Note/Manual Supplement

Date: Sep,3 2010

This document describes the features in the GS2200-24 product for its 3.90(BPM.2)C0 release.

Support Platforms:

ZyXEL GS2200-24 V3.90(BPM.2)C0 supports models: ZyXEL GS2200-24

Version:

OS Version: V3.90(BPM.2) | 09/03/2010

BootBase Version: V1.03 | 06/16/2009

Default Bootbase Setting:

ZyNOS Version	V3.90(BPM.2) 09/03/2010 14:58:48
Bootbase Version	V1.03 06/16/2009 10:24:44
Vendor Name	ZyXEL
Product Model	GS2200-24
ZyNOS Code Model	GS2200-24
HTP Code Model	Unknown
ZyNOS ROM address	bd090000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00001D
MAC Address Quantity	29
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	1A
RomFile Checksum	f3fc
ZyNOS Checksum	8224
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
02 35 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 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 enhancement and multiple radius servers)
42. IGMP enhancement
43. Web enhancement (Select all, Clone)
44. 802.1s MSTP
45. 802.3ah OAM
46. SNMPv3
47. Multilevel CLI
48. SNMP trap group
49. configurable multicast VLAN
50. independent IGMP snooping and MVR setting
51. Support concurrent telnet sessions up to 9
52. IP source guard(Static binding, ARP inspection)
53. RADIUS accounting
54. TACACS+ authentication
55. TACACS+ accounting
56. IGMPv3 snooping
57. Loop guard
58. Daylight saving time
59. DHCP relay
60. MAC search
61. VLAN search
62. Support transceiver DDMI information
63. Authorization on TACACS+
64. IGMP throttling
65. Static multicast
66. Support IGMP snooping fast leave
67. Support IGMP snooping statistics
68. Support DDM MIB (private MIB)
69. Support MVR up to 5 multicast VLANs

- 70. 802.1AB LLDP
- 71. IEEE802.1ag: CFM
- 72. L2PT
- 73. MAC-freeze GUI interface
- 74. LACP algorithm of Source/Destination
- 75. Cable diagnostics
- 76. Intrusion lock

Enhanced Features:

- 1. Support new mac prefix

Bug Fix:

None

Known Issue:

- 1. It may cause CPU overload when create too many MSTP instances or join too many ports of each MSTP instance.
- 2. MSTP has the *Count-into-Infinity* issue in the special case when root bridge disappeared.
- 3. The second SSH connection will fail if the first one is during login phase.

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. IGMP MVR entry 256
- 7. IGMP Filtering profile 256
- 8. Syslog server entry 4
- 9. DHCP Entry 16
- 10. Protocol based VLAN entries per port 7
- 11. Subnet based VLAN entry 16

Change History:

V3.90(BPM.2)C0 (09/03/2010)
Support enhanced features

V3.90(BPM.1)C0 (04/22/2010)
Bugs fix

V3.90(BPM.0)C0 (06/16/2009)
First Public Version

ZyXEL GS2200-24 V3.90(BPM.1)C0

Release Note/Manual Supplement

Date: Apr. 22, 2010

This document describes the features in the GS2200-24 product for its 3.90(BPM.1)C0 release.

Support Platforms:

ZyXEL GS2200-24 V3.90(BPM.1)C0 supports models: ZyXEL GS2200-24

Version:

OS Version: V3.90(BPM.1) | 04/22/2010

BootBase Version: V1.03 | 06/16/2009

Default Bootbase Setting:

ZyNOS Version	V3.90(BPM.1) 04/22/2010 17:23:29
Bootbase Version	V1.03 06/16/2009 10:24:44
Vendor Name	ZyXEL
Product Model	GS2200-24
ZyNOS Code Model	GS2200-24
HTP Code Model	Unknown
ZyNOS ROM address	bd090000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00001D
MAC Address Quantity	29
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	4D
RomFile Checksum	8265
ZyNOS Checksum	8ef4
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
02 35 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 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 enhancement and multiple radius servers)
42. IGMP enhancement
43. Web enhancement (Select all, Clone)
44. 802.1s MSTP
45. 802.3ah OAM
46. SNMPv3
47. Multilevel CLI
48. SNMP trap group
49. configurable multicast VLAN
50. independent IGMP snooping and MVR setting
51. Support concurrent telnet sessions up to 9
52. IP source guard(Static binding, ARP inspection)
53. RADIUS accounting
54. TACACS+ authentication
55. TACACS+ accounting
56. IGMPv3 snooping
57. Loop guard
58. Daylight saving time
59. DHCP relay
60. MAC search
61. VLAN search
62. Support transceiver DDMI information
63. Authorization on TACACS+
64. IGMP throttling
65. Static multicast
66. Support IGMP snooping fast leave
67. Support IGMP snooping statistics
68. Support DDM MIB (private MIB)
69. Support MVR up to 5 multicast VLANs

70. 802.1AB LLDP
71. IEEE802.1ag: CFM
72. L2PT
73. MAC-freeze GUI interface
74. LACP algorithm of Source/Destination
75. Cable diagnostics
76. Intrusion lock

Bug Fix:

1. Remove VLAN-Stacking.
2. Static multicast: When add some specific multicast addresses, these addresses can't be erased.
3. Fix bug that when set protocol based VLAN ether-type ARP priority, the priority will always be changed to 5.
4. Fix bug of writing MAC address with number 4 via atwz.
5. Remove feature: MVR, IEEE802.1ag: CFM, TACACS+ accounting, RADIUS accounting, 802.3ah OAM, IGMP Filtering, Support MVR up to 5 multicast VLANs
6. It could not upgrade firmware via https
7. The subnet based VLAN cannot transparency ARP packet
8. In LACP mode with 8 member, connect 8 LACP member, the LACP doesn't work.
9. In trunk mode with 8 member, connect 8 trunk member, the LACP doesn't work.
10. The IP mask will be 0.0.0.0 when create IP address with invalid mask.
11. Showing the SNMP trap group page is abnormal.
12. Syslog message always shows ingress bandwidth assignment error at dot1x radius authorization.
13. SSH section can't be assign correct privilege.
14. The authenticate will fail when receive Cisco attributes.
15. The DUT still sends "lldpRemTableChange" trap when LLDP state is stable.
16. Disable ports when DUT is restored configuration.
17. The DUT will crash when per port receive different LLDP pdu than erase running configure.
18. Fiber port with force speed 1000-full can't link up after boot-up.
19. The DUT will crash when configure trap and enable LLDP than show logging.
20. All ports are disabled when copying interface configuration. (It should be only destination ports.)
21. DUT will be no response when erasing the maximum configuration. This configuration includes static MAC forwarding and static trunk. The port of static MAC forwarding is the non-responsible port of trunk group.
22. The DUT will crash when send invalid ARP packet.
23. The DUT will crash when restore configure by FTP.
24. The DHCP snooping binding table will not have any entry after client get IP from server. (Cooperate with DHCP relay)
25. The root bridge have blocking port (port link up) when topology change over night.
26. Monitor fan if temperature < 10C.
27. The testing of UART internal loopback is fail.
28. The destination port doesn't disabled during copy interface configuration with sub-option (ex. active, name, speed-duplex, etc).
29. The destination port doesn't disabled after copy interface configuration with port 'inactive'.
30. The tacacs+ will send abnormal log to logging table.
31. Modify the related bugs about AAA trap, such as missing instance ID.
32. When inactive and reactive the Port, the LLDP Packet can't send out.
33. When using SMB to sends the error LLDP packets, DUT will crash.

Known Issue:

1. It may cause CPU overload when create too many MSTP instances or join too many ports of each MSTP instance.
2. MSTP has the *Count-into-Infinity* issue in the special case when root bridge disappeared.
3. The second SSH connection will fail if the first one is during login phase.

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. IGMP MVR entry 256
7. IGMP Filtering profile 256
8. Syslog server entry 4
9. DHCP Entry 16
10. Protocol based VLAN entries per port 7
11. Subnet based VLAN entry 16

Change History:

V3.90(BPM.1)C0 (04/22/2010)
Bugs fix

V3.90(BPM.0)C0 (06/16/2009)
First Public Version

ZyXEL GS2200-24 V3.90(BPM.0)C0

Release Note/Manual Supplement

Date: Jun. 16, 2009

This document describes the features in the GS2200-24 product for its 3.90(BPM.0)C0 release.

Support Platforms:

ZyXEL GS2200-24 V3.90(BPM.0)C0 supports models: ZyXEL GS2200-24

Version:

OS Version: V3.90(BPM.0) | 06/16/2009

BootBase Version: V1.03 | 06/16/2009

Default Bootbase Setting:

ZyNOS Version	V3.90(BPM.0) 06/16/2009 20:05:17
Bootbase Version	V1.03 06/16/2009 10:24:44
Vendor Name	ZyXEL
Product Model	GS2200-24
ZyNOS Code Model	GS2200-24
HTP Code Model	Unknown
ZyNOS ROM address	bd090000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00001D
MAC Address Quantity	29
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	1A
RomFile Checksum	f3fc
ZyNOS Checksum	73d8
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
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Features:

1. MAC address learning
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11. Automatic age out
12. Specific MAC addresses forwarding per port
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54. TACACS+ authentication
55. TACACS+ accounting
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57. Loop guard
58. Daylight saving time
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63. Authorization on TACACS+
64. IGMP throttling
65. Static multicast
66. Support IGMP snooping fast leave
67. Support IGMP snooping statistics
68. Support DDM MIB (private MIB)
69. Support MVR up to 5 multicast VLANs

- 70. 802.1AB LLDP
- 71. IEEE802.1ag: CFM
- 72. L2PT
- 73. MAC-freeze GUI interface
- 74. LACP algorithm of Source/Destination
- 75. Cable diagnostics
- 76. Intrusion lock

Bug Fix:

None

Known Issue:

- 1. It may cause CPU overload when create too many MSTP instances or join too many ports of each MSTP instance.
- 2. MSTP has the *Count-into-Infinity* issue in the special case when root bridge disappeared.
- 3. The second SSH connection will fail if the first one is during login phase.

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. IGMP MVR entry 256
- 7. IGMP Filtering profile 256
- 8. Syslog server entry 4
- 9. DHCP Entry 16
- 10. Protocol based VLAN entries per port 7
- 11. Subnet based VLAN entry 16

Change History:

V3.90(BPM.0)C0 (06/16/2009)
First Public Version