

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

## Release Note/Manual Supplement

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**Date:** Apr. 22, 2010

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

### **Support Platforms:**

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

### **Version:**

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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:**

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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:**

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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.)
77. 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.
78. The DUT will crash when send invalid ARP packet.
79. The DUT will crash when restore configure by FTP.
80. The DHCP snooping binding table will not have any entry after client get IP from server. (Cooperate with DHCP relay)
81. The root bridge have blocking port (port link up) when topology change over night.
82. Monitor fan if temperature < 10C.
83. The testing of UART internal loopback is fail.
84. The destination port doesn't disabled during copy interface configuration with sub-option (ex. active, name, speed-duplex, etc).
85. The destination port doesn't disabled after copy interface configuration with port 'inactive'.
86. The tacacs+ will send abnormal log to logging table.
87. Modify the related bugs about AAA trap, such as missing instance ID.
88. When inactive and reactive the Port, the LLDP Packet can't send out.
89. When using SMB to sends the error LLDP packets, DUT will crash.

### **Known Issue:**

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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:***

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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:***

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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

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**Date:** Jun. 16, 2009

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

### **Support Platforms:**

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

### **Version:**

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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:**

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- 91. Support IEEE 802.1D transparent bridge
- 92. Support IEEE 802.1Q tagged VLAN
- 93. Support Port-based VLAN
- 94. Support IEEE 802.1X
- 95. Support IEEE 802.1W
- 96. Support IEEE 802.3AD
- 97. Support GVRP
- 98. IGMP snooping

99. Support IEEE 802.1p
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101. Specific MAC addresses forwarding per port
102. MAC Filtering
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105. Bandwidth Control
106. Broadcast Storm Control
107. Support Strict Priority and WRR queuing method
108. Static IP management or dynamic IP(DHCP client)
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110. Firmware upgrade and configuration backup/restore.
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- 159. 802.1AB LLDP
- 160. IEEE802.1ag: CFM
- 161. L2PT
- 162. MAC-freeze GUI interface
- 163. LACP algorithm of Source/Destination
- 164. Cable diagnostics
- 165. Intrusion lock

### ***Bug Fix:***

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None

### ***Known Issue:***

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

### ***Limitation of Settings:***

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- 14. MAC filtering entry 256
- 15. Cluster member 24
- 16. Management IP address 64
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- 18. IGMP Filtering profile 256
- 19. Syslog server entry 4
- 20. DHCP Entry 16
- 21. Protocol based VLAN entries per port 7
- 22. Subnet based VLAN entry 16

### ***Change History:***

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