

# ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.4)C0

## Release Note/Manual Supplement

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**Date:** Sep. 1, 2015

This document describes the features in the GS2200-8 product for its GS2200-8\_4.00(AAAV.4)C0 release.

### **Support Platforms:**

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ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.4)C0 supports models: ZyXEL GS2200-8

### **Version:**

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OS Version: VGS2200-8\_4.00(AAAV.4) | 08/31/2015  
BootBase Version: V1.01 | 11/10/2011

### **Default Bootbase Setting:**

ZyNOS Version	VGS2200-8_4.00(AAAV.4)   08/31/2015 18:28:38
Bootbase Version	V1.01   11/10/2011 18:05:13
Vendor Name	ZyXEL
Product Model	GS2200-8
ZyNOS Code Model	GS2200-8
HTP Code Model	Unknown
ZyNOS ROM address	bd0a0000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00000B
MAC Address Quantity	11
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	91
RomFile Checksum	bbdb
ZyNOS Checksum	ba09
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
02 3C 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:**

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

### **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. 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:***

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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:***

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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.
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:***

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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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VGS2200-8\_4.00(AAAV.4)C0 (08/31/2015)  
Bug Fix

VGS2200-8\_4.00(AAAV.3)C0 (03/04/2014)  
Bug Fix

VGS2200-8\_4.00(AAAV.2)C0 (11/05/2013)  
Bug Fix

VGS2200-8\_4.00(AAAV.1)C0 (12/11/2012)  
Bug Fix

VGS2200-8\_4.00(AAAV.0)C0 (12/16/2011)  
First Public Version

# ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.3)C0

## Release Note/Manual Supplement

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**Date:** March. 4, 2014

This document describes the features in the GS2200-8 product for its GS2200-8\_4.00(AAAV.3)C0 release.

### **Support Platforms:**

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ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.3)C0 supports models: ZyXEL GS2200-8

### **Version:**

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OS Version: VGS2200-8\_4.00(AAAV.3) | 03/04/2014  
BootBase Version: V1.01 | 11/10/2011

### **Default Bootbase Setting:**

ZyNOS Version	VGS2200-8_4.00(AAAV.3)   03/04/2014 18:47:13
Bootbase Version	V1.01   11/10/2011 18:05:13
Vendor Name	ZyXEL
Product Model	GS2200-8
ZyNOS Code Model	GS2200-8
HTP Code Model	Unknown
ZyNOS ROM address	bd0a0000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00000B
MAC Address Quantity	11
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	91
RomFile Checksum	bbdb
ZyNOS Checksum	551c
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
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5. Support IEEE 802.1X
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8. Support GVRP
9. IGMP snooping

10. Support IEEE 802.1p
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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:***

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

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

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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.

### ***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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VGS2200-8\_4.00(AAAV.3)C0 (03/04/2014)  
Bug Fix

VGS2200-8\_4.00(AAAV.2)C0 (11/05/2013)  
Bug Fix



VGS2200-8\_4.00(AAAV.1)C0 (12/11/2012)  
Bug Fix

VGS2200-8\_4.00(AAAV.0)C0 (12/16/2011)  
First Public Version

# ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.2)C0

## Release Note/Manual Supplement

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**Date:** Nov, 05, 2013

This document describes the features in the GS2200-8 product for its GS2200-8\_4.00(AAAV.2)C0 release.

### **Support Platforms:**

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ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.2)C0 supports models: ZyXEL GS2200-8

### **Version:**

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OS Version: VGS2200-8\_4.00(AAAV.2) | 11/05/2013  
BootBase Version: V1.01 | 11/10/2011

### **Default Bootbase Setting:**

ZyNOS Version	VGS2200-8_4.00(AAAV.2)   11/05/2013 16:20:10
Bootbase Version	V1.01   11/10/2011 18:05:13
Vendor Name	ZyXEL
Product Model	GS2200-8
ZyNOS Code Model	GS2200-8
HTP Code Model	Unknown
ZyNOS ROM address	bd0a0000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00000B
MAC Address Quantity	11
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	91
RomFile Checksum	bbdb
ZyNOS Checksum	9f29
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
02 3C 00 00 00 00 00 00-00 00 00 00 00 00 00 00	
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### **Features:**

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1. MAC address learning
2. Support IEEE 802.1D transparent bridge
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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
13. MAC Filtering
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16. Bandwidth Control
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18. Support Strict Priority and WRR queuing method
19. Static IP management or dynamic IP(DHCP client)
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25. Support RFC-1213 MIB II
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33. Radius management authentication
34. SSH/SSL support
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)
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46. SNMPv3
47. Multilevel CLI
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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

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### ***Enhanced Features:***

None

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### ***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

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### ***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:***

---

- 12. VLAN 1Q static entry 1024
- 13. Static MAC forwarding entry 256
- 14. MAC filtering entry 256
- 15. Cluster member 24
- 16. Management IP address 64
- 17. IGMP MVR entry 256
- 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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VGS2200-8\_4.00(AAAV.2)C0 (11/05/2013)  
Bug Fix

VGS2200-8\_4.00(AAAV.1)C0 (12/11/2012)  
Bug Fix

VGS2200-8\_4.00(AAAV.0)C0 (12/16/2011)  
First Public Version

# ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.1)C0

## Release Note/Manual Supplement

**Date:** Dec, 11 2012

This document describes the features in the GS2200-8 product for its GS2200-8\_4.00(AAAV.1)C0 release.

### Support Platforms:

ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.1)C0 supports models: ZyXEL GS2200-8

### Version:

OS Version: VGS2200-8\_4.00(AAAV.1) | 12/11/2012

BootBase Version: V1.01 | 11/10/2011

### Default Bootbase Setting:

ZyNOS Version	VGS2200-8_4.00(AAAV.1)   12/11/2012 16:27:06
Bootbase Version	V1.01   11/10/2011 18:05:13
Vendor Name	ZyXEL
Product Model	GS2200-8
ZyNOS Code Model	GS2200-8
HTP Code Model	Unknown
ZyNOS ROM address	bd0a0000
System Type	8
First MAC Address	0019CB000001
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SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
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70. 802.1AB LLDP
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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
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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:***

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None

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

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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:***

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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.
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:***

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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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VGS2200-8\_4.00(AAAV.1)C0 (12/11/2012)  
Bug Fix

VGS2200-8\_4.00(AAAV.0)C0 (12/16/2011)  
First Public Version

# ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.0)C0

## Release Note/Manual Supplement

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**Date:** Dec,16 2011

This document describes the features in the GS2200-8 product for its GS2200-8\_4.00(AAAV.0)C0 release.

### **Support Platforms:**

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ZyXEL GS2200-8 VGS2200-8\_4.00(AAAV.0)C0 supports models: ZyXEL GS2200-8

### **Version:**

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OS Version: VGS2200-8\_4.00(AAAV.0) | 12/16/2011

BootBase Version: V1.01 | 11/10/2011

### **Default Bootbase Setting:**

ZyNOS Version	VGS2200-8_4.00(AAAV.0)   12/16/2011 17:02:10
Bootbase Version	V1.01   11/10/2011 18:05:13
Vendor Name	ZyXEL
Product Model	GS2200-8
ZyNOS Code Model	GS2200-8
HTP Code Model	Unknown
ZyNOS ROM address	bd0a0000
System Type	8
First MAC Address	0019CB000001
Last MAC Address	0019CB00000B
MAC Address Quantity	11
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	AD
RomFile Checksum	7150
ZyNOS Checksum	931a
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
02 3C 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. L2PT
72. MAC-freeze GUI interface
73. LACP algorithm of Source/Destination
74. Cable diagnostics
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### ***Enhanced Features:***

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None

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

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None

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VGS2200-8\_4.00(AAAV.0)C0 (12/16/2011)  
First Public Version