GIGABYTE

BMC Unique Pre-Programmed Password Reference Guide

1. How will I know if my product has been implemented with this new security feature?

Please check the "Upgrade Version" label. If the product features a unique pre-programmed BMC password based on the product motherboard's serial number, the upgrade version will be indicated as "G9".



The "Upgrade Version" label can be found on the outside product (motherboard / server) packaging, on the motherboard anti-static packaging bag, on the motherboard itself and / or on the server chassis.

"Upgrade Version" label locations



Motherboard:

Motherboard Anti-Static Bag:



Motherboard Box:

· · · · · · · · · · · · · · · · · · ·	
GIGABYTE 技齋服务器/工作站主板	
Economic Allerian based	GA-7PESH2
SELVERDOARD / WYORKETSTIOD DOARD	

GIGABYTE^{**}

Server Chassis:



Server Packaging:



<u>Note</u>: If your product does not have G9 checked, then this security feature has not been enabled. Your default password for BMC admin login account will still be "password"

GIGABYTE

2. Where can I find the unique pre-programmed password to access the admin account of the BMC firmware?

In addition to the original motherboard serial number sticker which can be found on the motherboard, there will be additional stickers to display the unique BMC password located on the motherboard dummy CPU cover and the motherboard box (for motherboards sold separately). In the case of server systems, this sticker will be located on the server chassis and on the server packaging box.



"Unique BMC Password" sticker motherboard locations:

- A. (reference original S/N sticker on motherboard)
- B. CPU dummy cover
- C. Motherboard box



GIGABYTE[®]

"Unique BMC Password" sticker server system locations

1U Rack Server	Α.	(reference original S/N sticker on motherboard)
	В.	Server chassis front: sliding plastic tongue
		Unique BMC Password B42E593B7F8D
	С.	Outside box
2U Rack Server	Δ.	(reference original S/N sticker on motherboard)
	В.	Server chassis side:
		TS1912012A000 Password Baze593B7F99 Baze593B7F99
	С.	Outside box
211 4 Node Comier		(veference evisional C/N sticker or methodshould)
	А. Р	(reference original s/N sucker on motherboard)
(NZ32/NZ01/NZ02 Sarias)	D.	Server chassis mont, shung plastic tongue
series)		Unique BMC Password BazessBF79 Deltacos Deltacos Deltacos Deltacos
	С.	Outside box

GIGABYTE[™]

2U 4 Node Server	Α.	(reference original S/N sticker on motherboard)				
(H242 Series)	в.	Server chassis front: node handle				
	c.	Outside box				
4U Rack Server	Α.	(reference original S/N sticker on motherboard)				
	в.	Server chassis side				
	С.	Outside box				
5U Rack Server	Α.	(reference original S/N sticker on motherboard)				
	В.	Server chassis side				
	C.	Outside box				

þ

þ

.....

GIGABYTE[™]

OCP Server	A. (reference original S/N sticker on motherboard)
(RACKLUTION)	B. Server chassis front: sliding plastic tongue
	C. Outside box
Tower Server	A. (reference original S/N sticker on motherboard)
	B. Tower chassis top
	C. Outside box
	<text></text>
Server Packaging	3 對面貼示一張啤頭及一張裡
	Unique BMC Password B42E593B7F8D

1

ľ

3. How Do I Reset the BMC Password of my Servers Back to Default En Masse?

This change may be inconvenient for customers who are deploying a large number of servers and wish to perform a BIOS/ FW update, FRU overwrite or BIOS setting overwrite en masse. Therefore, GIGABYTE can also provide the list of pre-programmed unique passwords (a "**MAC to password**" **file**) of your purchased server systems upon request. This list can be used to restore the passwords of our servers back to the default setting (username: "admin" & password: "password").

The "MAC to password" file will list out both the IPMI MAC address of the BMC and the unique password of BMC (separated by commas) of each of the servers you have purchased from GIGABYTE.

Example:

mac2password.txt

1C:1B:0D:0A:BB:48,S16C79000042 e0:d5:5e:65:a9:e4,S1822400026 e0d55e659256,S1915000026 ...

After requesting the "MAC to password" file from your GIGABYTE representative, please download the "**bmc_restore_default_password.py**" Python script from the support section of the GIGABYTE product page (located in the "**server_utility_BMC_Restore_Default_Setting.zip**" download package):

G481-S80 (rev. 100/200)			Ove	erview Specification	Support	News & Awards	Learn more	
	Downloads Manual Support List							
	Downloads Download from the server closest to you – Asia, China, North America, Europe, Russia. Utility OS : All Driver(+9)							
Contact us	BIOS(+2)							
Do you have question about our products?	Utility(+5)							
Please contact our Technical Support for further assistance.	Description	Version	Size	Date		Download		
	BMC Restore Default Setting utility OS: Windows Server 2019	1.0	0.03 MB	2020/02/20		Ð		
	GSM CLI OS: Windows Server 2019, Windows Server 2016 R2 64bit, Windows Server 2012 R2 64bit, Windows Server 2012 64bit, Ubuntu, Linux CentOS	2.1.27	112.18 MB	2020/02/14		Ð		

GIGABYTE[®]

Reset Password Process Prerequisites

[Debian or Ubuntu]

- Install Python 3.6.9 or above
 # sudo apt-get install python3
- Install Python module
 # sudo apt-get install python3-pip
 # sudo python3 -m pip install subprocess.run
 # sudo python3 -m pip install argparse
- Install ipmitool
 # sudo apt-get install ipmitool
- All servers should be on the same subnet network

Password Reset Process

Execute the **bmc_restore_default_password.py** Python script with the input file name (e.g. *mac2password.txt*) and the BMC IP range: \$ python3 bmc_restore_default_password.py <File> <Start IP> <End IP>

After completion, the message "Restore OK" will be displayed together with the list of BMC IP addresses that have had their password restored back to the default:

Restore OK 10.1.27.36 10.1.27.37 ...

Restore Done