# GIGABYTE Unique Password User Guide
**GIGABYTE Software**

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**PROPRIETARY INFORMATION -- NOT FOR PUBLICATION**

**GIGABYTE**

# C o n t e n t s

# F i g u r e s

# T a b l e s

## 0.    General Information

### 0.1.  Issue Control

This document was edited with **Microsoft Word, Version 2003**. The graphic drawings are originally sketched in **Microsoft PowerPoint Version 2003**.

### 0.2.  Record of Changes

**Table 0-1.  Record of Changes**

| Issue | Date | Authors | Reason for Changes |
|-------|------|---------|--------------------|
| 0.01 | 02/05/2020 | PJ Sun | Draft version |
| 0.02 | 02/10/2020 | Sam.C | Add restore command |
| 0.03 | 02/24/2020 | PJ Sun | Add prerequisite |
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### 0.3.  References

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### 0.4.  Acronyms

## 1.    Introduction

For security, we created unique password mechanism into our BMC. The unique password is generated and set during the manufacturing process in every system.

For special reason, if you want to restore the password to default setting (username = "admin" and password = "password"), please contact Gigabyte to obtain pre-programmed unique password list for your purchased server systems.

## 2.    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 systems on the same subnet network

## 3.    Restore default password

We provide a tool to do this purpose. Please follow this procedure to restore unique password to default one.

First, you need to provide the mac to password file, which contains the list of your BMC' information, each entry must be in format IPMI MAC, unique password in this order separated by commas.

Example:
mac2password.txt
1C:1B:0D:0A:BB:48,S16C79000042
e0:d5:5e:65:a9:e4,S1822400026
e0d55e659256,S1915000026
…

Then execute the bmc_restore_default_password.py with input file and IP range.
$ python3 bmc_restore_default_password.py <File> <Start IP> <End IP>

Finally, the tool will show you success list with IP:
Restore OK
10.1.27.36
10.1.27.37
…
Restore Done