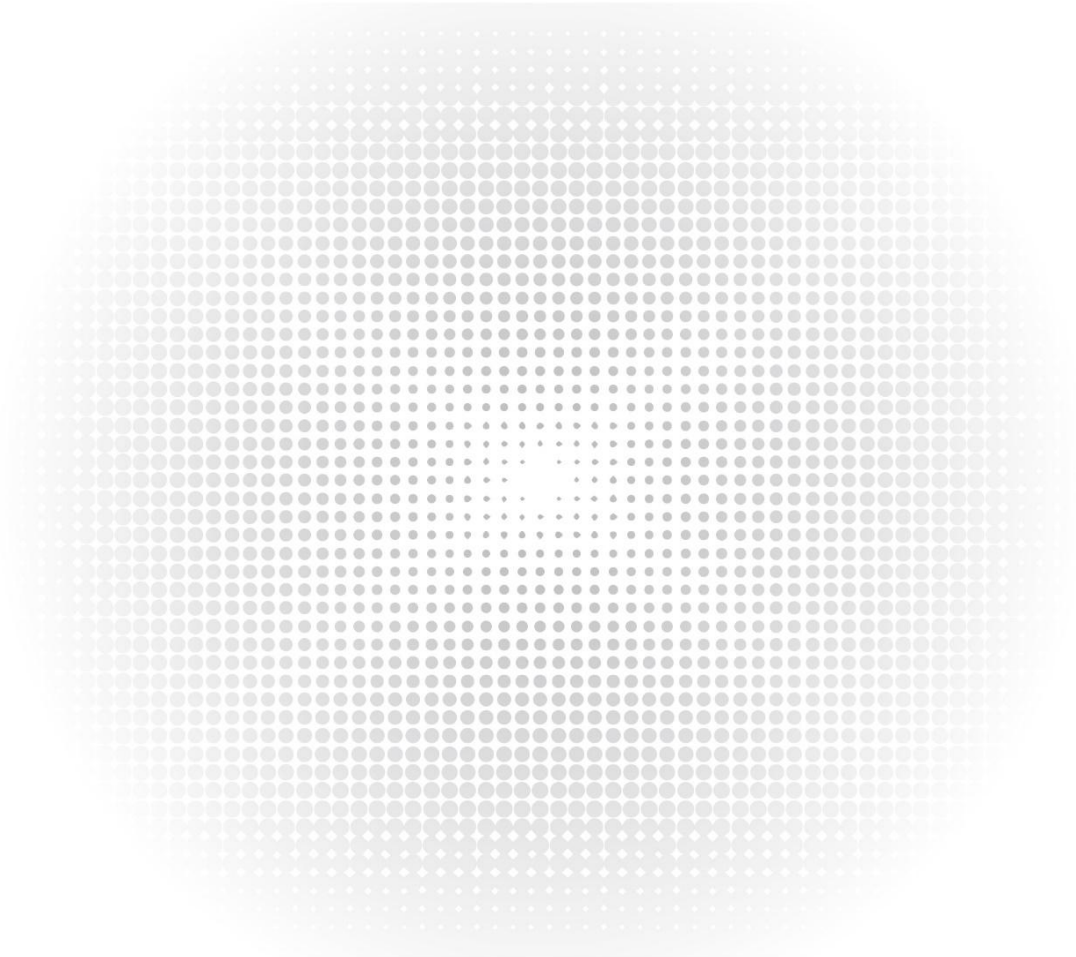
# S5860-20SQ Switch Reset and Recovery System Configuration Guide

Model: S5860-20SQ



CONFIGUTRTION GUIDE

# Contents

**1. Clear Device Password ..... 1**
**1.1 Networking Requirements ..... 1**
**1.2 Network Topology ..... 1**
**1.3 Configuration Steps ..... 1**
**1.3.1 U-boot Save Configuration and Reset Password ..... 1**
**1.3.2 U-boot Restore Factory Settings Reset Password ..... 2**
**2. Reset ..... 4**
**2.1 Networking Requirements ..... 4**
**2.2 Network Topology ..... 4**
**2.3 Configuration Steps ..... 4**
2.3.1 Factory Reset via CLI Interface ..... 4

# 1. Clear Device Password

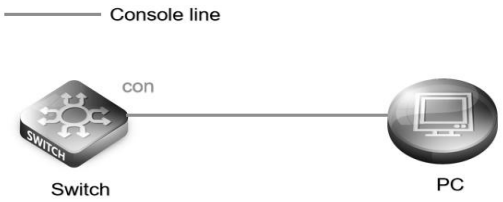
## 1.1 Networking Requirements

(1) If the administrator forgets the login password and cannot enter the configuration mode for configuration, then you need to use the Consloe line to enter the CTRL layer for password recovery.

(2) To do password recovery, you need to prepare the configuration line (console line). During the password recovery process, you need to restart the device to complete the operation at the CTRL layer.

(3) During the password recovery process, pay attention to rename the file, do not choose to delete the file, otherwise the configuration will be lost.

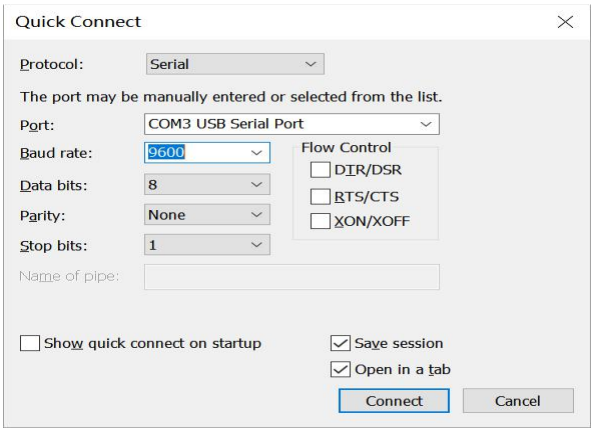
## 1.2 Network Topology




## 1.3 Configuration Steps

### 1.3.1 U-boot Save Configuration and Reset Password

Log in to the CLI interface of the switch, connect the console port of the switch with a console cable, open the hyper terminal CRT, and set related parameters.



Manually power off and restart the device. When prompted by Ctrl+C, press the Ctrl key C key on the keyboard at the same time to enter the u-boot interface. Under the Rboot menu, click the red reminder below to enter the address configuration menu

```
U-Boot 1.4.2--gf4b0786 (Nov 01 2018 - 09:52:06 +0800)
I2C:   ready
DRAM:  1 GiB
NAND:  1024 MiB
Loading Environment from SPI Flash... SF: Detected s25fl128s_64k with page size 256 Bytes, erase size 64 KiB, total 16 MiB
OK
Press Ctrl+B to enter Boot Menu, Press Ctrl+C to enter Rboot  0
====== Rboot Menu(Ctrl+Z to upper level) ======
      Scattered utilities.
***********************************************
      0. Tftp utilities.
      1. X/Y/ZModem utilities.
      2. Run main.
      3. SetMac utilities.
      4. Scattered utilities.
***********************************************
Press a key to run the command: 4
====== Rboot Menu(Ctrl+Z to upper level) ======
      Scattered utilities.
***********************************************
      0. Show Version.
      1. Reload System.
      2. Set Baudrate.
      3. Format Flash.
      4. Exit menu.
***********************************************
Press a key to run the command: 4
```

data # cd /mnt/data ------>Enter the data directory

data #vi config.text ------>Enter the config.text file

Use the up, down, left and right keys of the keyboard to move the cursor, find the corresponding password configuration, press dd twice in succession, delete the entire line of commands, and finally press esc, enter: wq, exit the save file, and then just reboot. If you delete the wrong configuration, press esc, enter: q! to force quit the document, and then enter the document with vi config.text.

### 1.3.2 U-boot Restore Factory Settings Reset Password

Manually power off and restart the device. When the Ctrl+C prompt appears, press the Ctrl key C key on the keyboard at the same time to enter the u-boot interface. Under the Rboot menu, click the red reminder below to enter the address configuration menu

```
U-Boot 1.4.2--gf4b0786 (Nov 01 2018 - 09:52:06 +0800)
I2C:   ready
DRAM:  1 GiB
NAND:  1024 MiB
Loading Environment from SPI Flash... SF: Detected s25fl128s_64k with page size 256 Bytes, erase size 64 KiB, total 16 MiB
OK
Press Ctrl+B to enter Boot Menu, Press Ctrl+C to enter Rboot  0
```

```
====== Rboot Menu(Ctrl+Z to upper level) ======
        Scattered utilities.
***********************************************
        0. Tftp utilities.
        1. X/Y/ZModem utilities.
        2. Run main.
        3. SetMac utilities.
        4. Scattered utilities.
***********************************************
Press a key to run the command: 4
====== Rboot Menu(Ctrl+Z to upper level) ======
        Scattered utilities.
***********************************************
        0. Show Version.
        1. Reload System.
        2. Set Baudrate.
        3. Format Flash.
        4. Exit menu.
***********************************************
Press a key to run the command: 4
```

Enter the data directory

```
~ # cd /mnt/data/
```

Rename the config.text file to config.text.bak

```
/mnt/data # mv config.text config.text.bak
/mnt/data # sync
/mnt/data # reboot
The system is going down NOW!
Sent SIGTERM to allTerminated
sh: can't set tty process group (Inappropriate ioctl for device)
[1]+    Terminated                    reboot
Sent SIGKILL to all processes
Requesting system reboot
[ 1847.933991] reboot: Restarting system
```

# 2. Reset

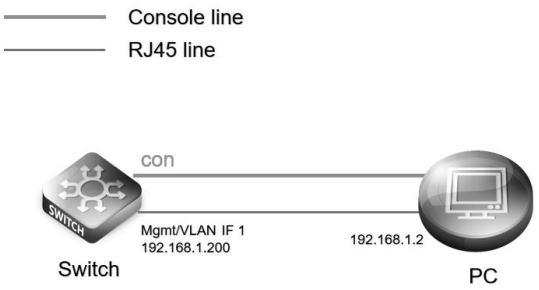
## 2.1 Networking Requirements

(1) After restoring the factory settings, the original configuration will be cleared. If the configuration is more important, please backup the configuration to the local computer first.

(2) After restoring factory settings, the default ip is 192.168.1.200, web interface user name and password admin/admin

(3) The console cable and RJ45 network cable of the switch need to be prepared.

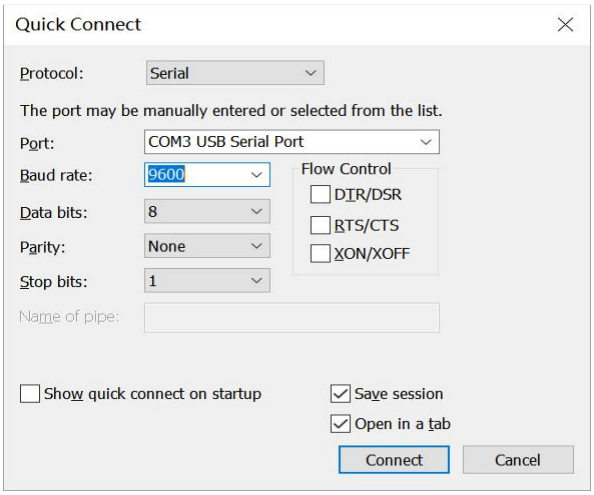
## 2.2 Network Topology




## 2.3 Configuration Steps

### 2.3.1 Factory Reset via CLI Interface

Log in to the CLI interface of the switch, connect the console port of the switch with a console cable, open the hyper terminal CRT, and set related parameters.




Enter the set user name and password, execute dir to view the file.

```
Switch>enable
Switch#dir
```

```
Directory of flash:/
Number  Properties   Size              Time                    Name
------  ----------  ------    ------------------------  --------------------
  1       drwx      160B      Thu May 14 09:20:14 2020  dev
  2       drwx      160B      Thu May 14 09:19:52 2020  rep
  3       drwx      224B      Thu Jul  9 10:11:04 2020  uft
  4       drwx      224B      Thu May 14 09:19:53 2020  var
  5       drwx      224B      Thu May 14 09:20:15 2020  vsd
  6       -rw-      2.0k      Thu Jul  9 10:13:00 2020  split.db
  7       drwx      160B      Thu May 14 09:20:16 2020  addr
  8       drwx      232B      Thu May 14 09:20:08 2020  tipc
  9       drwx      304B      Thu May 14 09:21:01 2020  security
 10       -rwx      82B       Thu Jul  9 10:13:00 2020  config_vsu.dat
 11       -rw-      1.4k      Thu Jul  9 10:13:03 2020  config.text
 12       -rwx      21B       Thu Jul  9 10:13:12 2020  syslog_rfc5424_flag.txt
 13       drwx      160B      Wed Jul  8 10:51:30 2020  upgrade_storage
 14       -rwx      1.6k      Thu May 14 09:21:53 2020  rsa_private.bin
 15       -rwx      1.6k      Thu May 14 09:20:30 2020  rsa1_private.bin
 16       -rwx      24B       Thu Jul  9 10:11:39 2020  split_cfg_dat_unit_0
 17       drwx      528B      Thu May 14 13:36:44 2020  upgrade
 18       drwx      312B      Fri Jul  3 10:38:54 2020  syslog
 19       drwx      256B      Thu May 14 13:37:10 2020  install_file
 20       drwx      160B      Wed Jul  8 09:54:34 2020  upgrade_rep
 21       -rw-      2.0k      Mon May 25 15:20:20 2020  liu_config.text
 22       -rw-      0B        Thu May 14 09:21:57 2020  policy_adjust_debug.txt
 23       -rw-      1.5k      Tue Jul  7 12:20:53 2020  standalone.text
10 files, 13 directories
434,872,320 bytes data total (283,701,248 bytes free)
1,109,393,408 bytes flash total (283,701,248 bytes free)
```

Enter the set user name and password, execute dir to view the file

```
Switch#delete config.text
This operation will delete [flash:/config.text], continue? [Y/N]:y
Delete success.
Switch#
```

After deleting the configuration file, enter the reload command, when confirming the restart, enter Y, set to restore to the factory settings after restart.

```
Switch#reload
Reload system?(Y/N)y
```

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