

# GS3-SFP-232-GE

## Pluggable Console Server



### GS3 Quick Start Guide

#### 1. Insert your GS3-SFP on Network

Insert your GS3-SFP into an SFP/SFP+ port of the monitoring switch/router on your network.

#### 2. Connect to a serial console

Connect the copper part of the GS3 to the serial console port of the managed device. Refer to illustration on following page.

#### 3. Login to the GS3-SFP

Use a terminal emulator such as *PuTTY* or *Tera Term* to access the GS3-SFP using SSH. The default username and password is admin/password.

Default IP: 192.168.11.11/24

Default port: 22

#### 4. Configure network parameters

Reconfigure the network parameters according to your needs, using the network commands.

Refer to following example.

```
[admin@ssh-to-serial]>network ipv4
```

```
Enter Host Address: 192.0.2.11
```

```
Host Address is set to 192.0.2.11
```

```
Enter Subnet Mask : 255.255.255.0
```

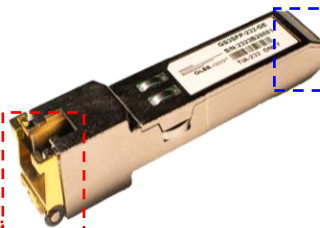
```
Subnet Mask is set to 255.255.255.0
```

```
Enter Default Gateway : 192.0.2.1
```

```
Default Gateway is set to 192.0.2.1
```



Ethernet



Serial



### Connection illustration

#### 5. Configure serial parameters

Ensure that serial parameters settings match the managed device serial console specification.

##### Note:

- To check your current serial settings, run the 'serial show' command.
- Parameters such as baud rate, parity and flow control can be adjusted. Set baud rate, using "serial baudrate" command.

```
[admin@ssh-to-serial]> serial baudrate 9600
```

Once your GS3-SFP is set up, you are ready to connect using the 'serial connect' command to establish the serial connection.

```
[admin@ssh-to-serial]>serial connect  
Starting serial session...The console is  
POWERED ON
```

#### 6. Additional Configuration

Change hostname: network hostname

Change default password: user change admin  
<new password>

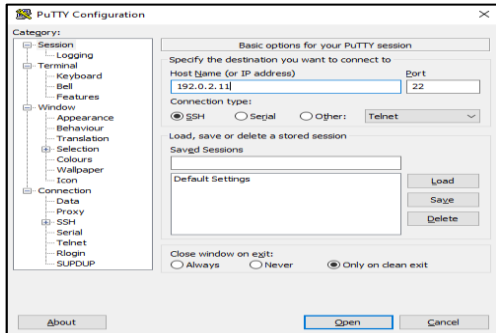
Add a new user account: user add <username>  
<password> <admin/regular>

For advanced configuration options, please refer to the *GS3 User Guide*.

To receive technical support, please contact [gs3techsupport@glbb.ne.jp](mailto:gs3techsupport@glbb.ne.jp)

## Setup Example using PuTTY

1. Open a terminal emulator such as PuTTY.
2. Enter the IP address and SSH port of the GS3.
3. Log in with the appropriate credentials.



Default IPv4 address: 192.168.11.11

For IPv6, link local address based on EUI 64 calculation fe80::8e12:c2ff:feXX:XXXX is used. Where XXXXXX are the last 6 number of your GS3-SFP serial number label.

4. Before establishing a serial connection, verify the current serial settings by running the command 'serial show' and use relevant serial commands to modify settings if needed

Relevant commands:

- serial show:

Displays the current serial configuration.

- Serial baudrate: sets the serial baud rate.

-Serial parity: configures serial parity to "odd" or "even"

- Serial datasize: Configures the serial data size.

- Serial stopbits: Configures the serial stopbits.

```
172.17.17.6 - PuTTY
login as: admin
admin@172.17.17.6's password:
You are connected to GS-3 SFP Module
[admin@ssh-to-serial]>serial show
UART Config - Base: 0x4000D000
Clock: 120000000 Hz
Baud: 115200
Data Size: 8
Parity: N
Stop Bits: 1
Flow Control: N
Transmit Delay: 100 ms
Current configuration displayed.
[admin@ssh-to-serial]>
```

## Setup Example using PuTTY...

5. After confirming that the serial settings are correct, initiate a connection to the managed device using the command 'serial connect'. After the command, continuously press the return key to prompt the response from console

6.If prompted, Input the console credential for authentication and you are ready to use the console.

7. If you fail to get a response from the console, double-check the baud rate, console cable, and other serial settings to ensure they are correct.

```
[admin@ssh-to-serial]>serial connect
Starting serial session...

Press ENTER to get startedThe console is POWERED ON

Username: █
```

8. To exit the console session of the managed device "Ctrl + ]" is the default command . To exit the SSH session use the "exit" command.

Note: You can change this key combination by using the 'serial exit-key' command if needed.

Relevant commands:

serial exit-key: Changed the exit key combination.

```
Serial session is disconnected...
[admin@ssh-to-serial]>█
```

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