

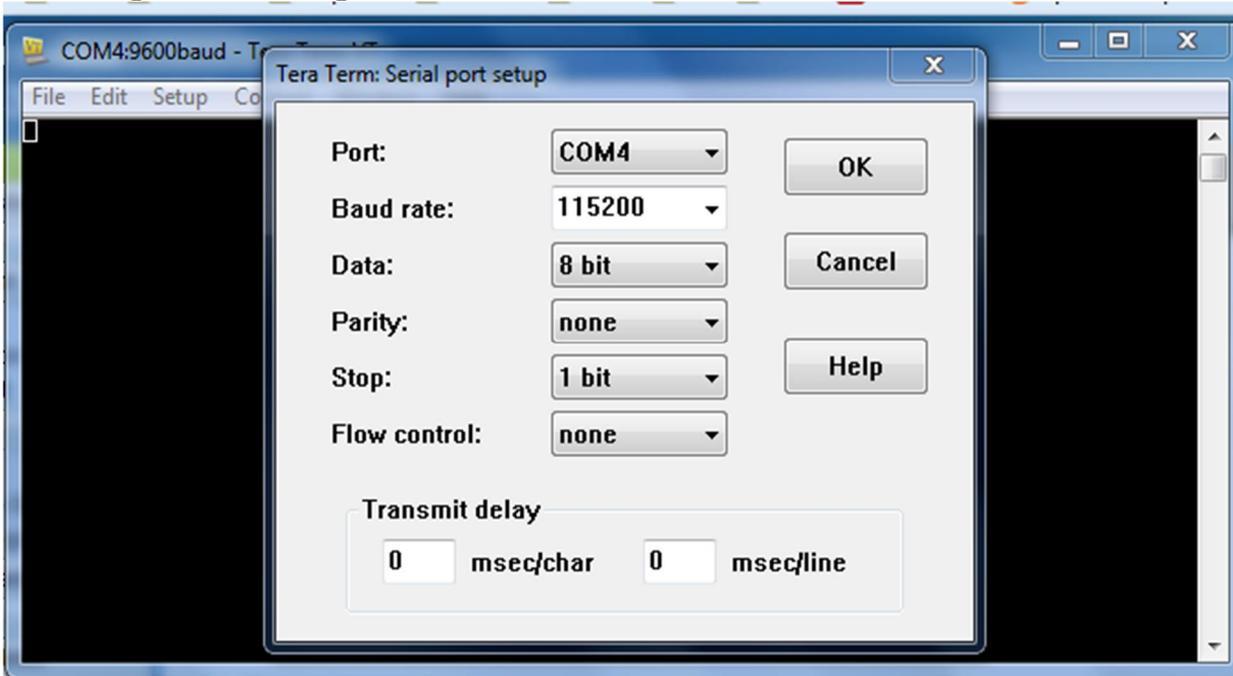
Open a web browser and navigate to 192.168.1.254
Login using cisco as both the username and password.

Navigate to Administration > User Accounts and Add an admin account set to Level 15



Open a program that will allow for Serial connection (TeraTerm is a good program if you need one: <http://tssh2.sourceforge.jp/index.html.en>)

The settings for connecting are as follows:



The COM port will be whatever it is on your machine

Once you are connected you will need to hit Enter to bring up a login screen

Type **Config T**

To configure the IP address enter

Interface Vlan1

ip address 192.168.87.XXX (XXX being the actual network IP address)

ip igmp snooping querier

ip igmp query-max-response-time 20

end

This allows you to now log in to the unit from a web browser with the IP you set. It also enables some important features to allow it to do what Wheatstone needs it to do.

From here we need to configure all the ports.

Type **Config T**

Interface range gig 1-27

switchport mode access

speed 1000

spanning-tree portfast

end

****Please remember what port you plug the surfaces in. Those will need to be set up to speed 100****

To do this type **Config T**

Interface gig X (port where console is)

switchport mode access

speed 100

spanning-tree portfast

end

You will need one trunk port. This will most likely be the last port (28)

Config T

Interface gig 28

switchport mode trunk

end

From here you can type **show running-config** and view what you just did.

Then you can type either **copy running-config startup-config** or **write memory** to save it to the switch. At this point you should be able to go to your web browser and log in. Then you can view the ports to make sure

they are set up as Access or Trunk and check the speeds.

Small Business
cisco SG300-28 28-Port Gigabit Managed Switch

System Log
File Management
 Upgrade/Backup Firmware
 Active Image
 Download/Backup Configuration Files
 Configuration Files Properties
 Copy/Save Configuration
 DHCP Auto Configuration
Reboot
Diagnostics
 Discovery - Bonjour
 Discovery - LLDP
 Discovery - CDP
 Ping
 Traceroute
Port Management
Smartport
VLAN Management
 Default VLAN Settings
 Create VLAN
 Interface Settings
 Port to VLAN
 Port VLAN Membership
 GVRP Settings
 VLAN Groups
 Voice VLAN
 Access Port Multicast TV VI

Interface Settings

Interface Setting Table

Filter: Interface Type equals to Port Go

Entry No.	Interface	Interface VLAN Mode	Administrative PVID	Frame Type	Ingress Filtering	
<input type="radio"/>	1	GE1	Access	1	Admit All	Enabled
<input type="radio"/>	2	GE2	Access	1	Admit All	Enabled
<input type="radio"/>	3	GE3	Access	1	Admit All	Enabled
<input type="radio"/>	4	GE4	Access	1	Admit All	Enabled
<input type="radio"/>	5	GE5	Access	1	Admit All	Enabled
<input type="radio"/>	6	GE6	Access	1	Admit All	Enabled
<input type="radio"/>	7	GE7	Access	1	Admit All	Enabled
<input type="radio"/>	8	GE8	Access	1	Admit All	Enabled
<input type="radio"/>	9	GE9	Access	1	Admit All	Enabled
<input type="radio"/>	10	GE10	Access	1	Admit All	Enabled
<input type="radio"/>	11	GE11	Access	1	Admit All	Enabled
<input type="radio"/>	12	GE12	Access	1	Admit All	Enabled
<input type="radio"/>	13	GE13	Access	1	Admit All	Enabled
<input type="radio"/>	14	GE14	Access	1	Admit All	Enabled
<input type="radio"/>	15	GE15	Access	1	Admit All	Enabled
<input type="radio"/>	16	GE16	Access	1	Admit All	Enabled
<input type="radio"/>	17	GE17	Access	1	Admit All	Enabled

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Navigate to the Multicast Properties screen. Select Bridge Multicast Filtering Status to Enable.

Small Business
cisco SG300-20 20-Port Gigabit Managed Switch admin

Getting Started
Status and Statistics
Administration
Port Management
Smartport
VLAN Management
Spanning Tree
MAC Address Tables
Multicast
 Properties
 MAC Group Address
 IP Multicast Group Address
 IGMP Snooping
 MLD Snooping
 IGMP/MLD IP Multicast Group
 Multicast Router Port
 Forward All
 Unregistered Multicast
IP Configuration
Security
Access Control
Quality of Service
SNMP

Properties

Bridge Multicast Filtering Status: Enable

VLAN ID: 1

Forwarding Method for IPv6:
 MAC Group Address
 IP Group Address
 Source Specific IP Group Address

Forwarding Method for IPv4:
 MAC Group Address
 IP Group Address
 Source Specific IP Group Address

Apply Cancel

```
switchb9591f#
switchb9591f#Config T
switchb9591f(config)#interface Ulan1
switchb9591f(config-if)#ip address 192.168.87.249 255.255.255.0
Please ensure that the port through which the device is managed has the proper
settings and is a member of the new management interface.
Would you like to apply this new configuration? (Y/N)[N] Y
switchb9591f(config-if)#ip igmp snooping querier
switchb9591f(config-if)#ip igmp query-max-response-time 20
switchb9591f(config-if)#end
switchb9591f#Config T
switchb9591f(config)#Interface range gig 1-27
switchb9591f(config-if-range)#switchport mode access
switchb9591f(config-if-range)#speed 1000
switchb9591f(config-if-range)#spanning-tree portfast
switchb9591f(config-if-range)#end
switchb9591f#Config T
switchb9591f(config)#Interface gig 28
switchb9591f(config-if)#switchport mode trunk
switchb9591f(config-if)#end
switchb9591f#
```