

Using RS232 Command Line Interface to Change IP Addresses

Material's Required

Control Managed Switch

PC With Com port

Null Modem Cable

HyperTerminal or some terminal application.

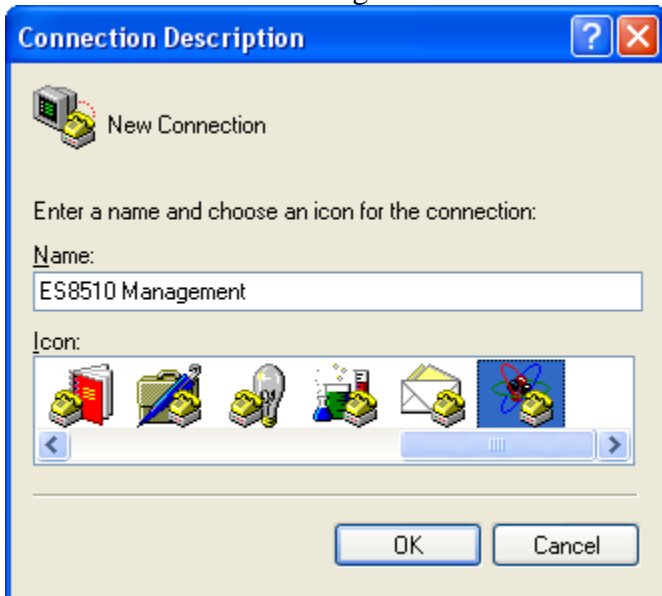
Please note. Using the NetVision downloaded from this link is highly recommended.

<ftp://ftp.control.com/rocketlinx/es8510/utilities/netvision-v1.1.exe>

Connect the supplied serial cable from the RocketLinx Managed Switch to a com port on the PC.

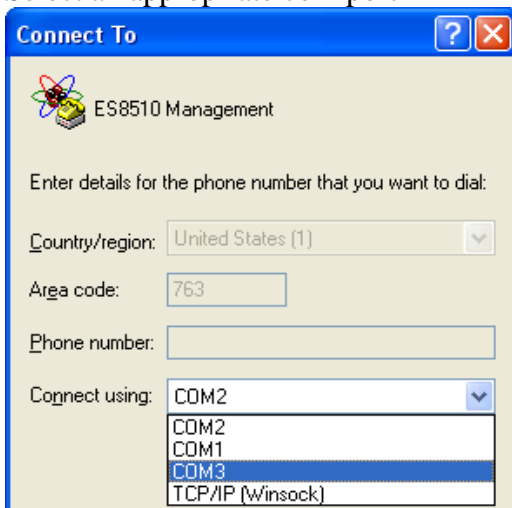
Open HyperTerminal

From the start button > Programs > Accessories > Communications > HyperTerminal



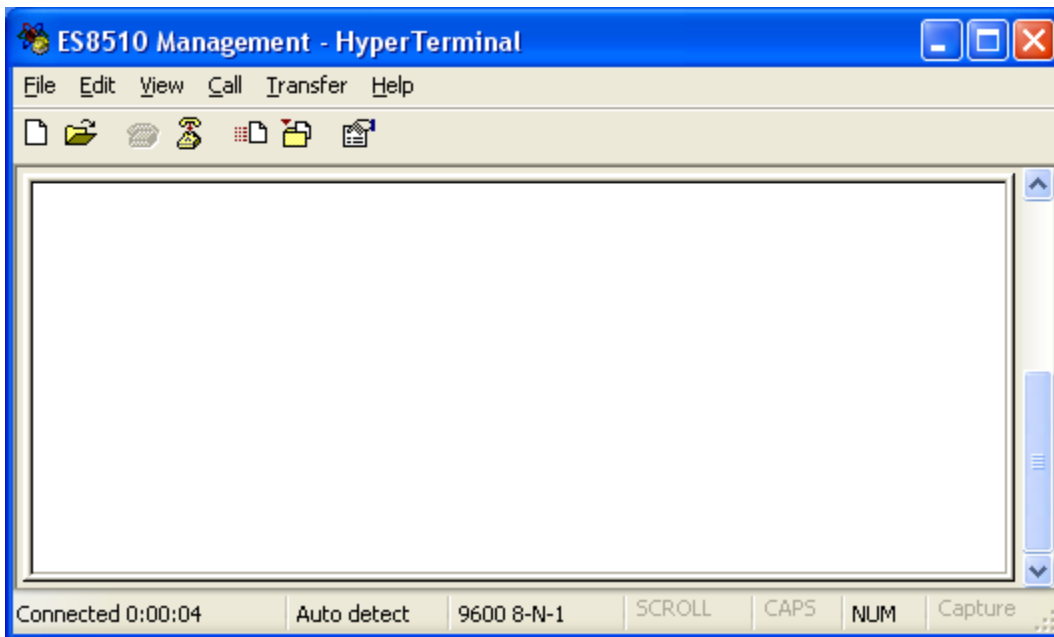
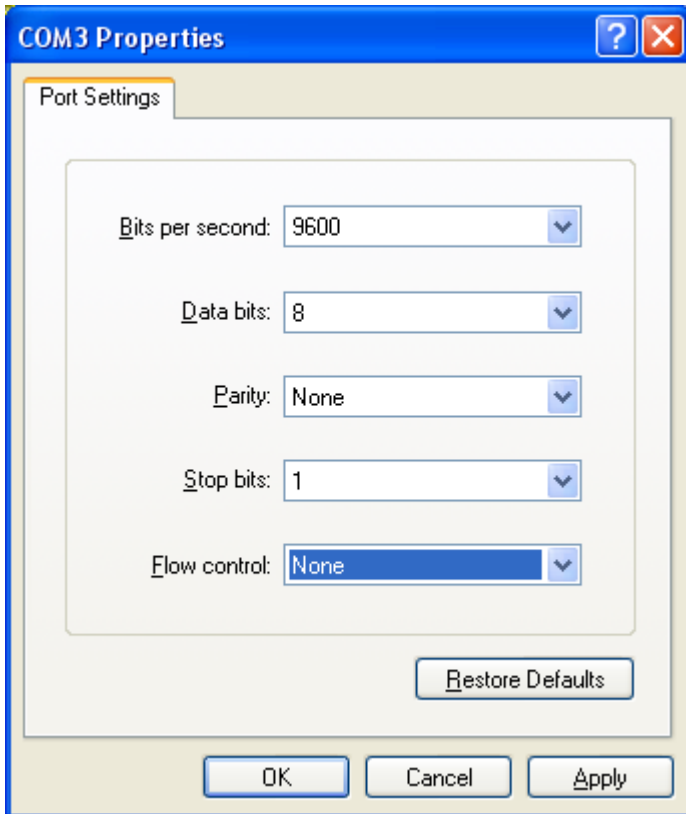
Enter in a desired name, in this example “ES8510 Management” and if desired select an Icon. Click OK

Select an appropriate com port



In this example Com3 will be used

Set the Port Settings as shown here



Press Enter

(Screen shots will no longer be shown.)

black text = switch display

red bold text = user input

blue text = area containing the current IP address assigned to the es8510 switch

Green text = default IP Address of 192.168.250.25

background color = instructions

For Switch login: enter **admin**

For Password: enter **admin**

Switch login: **admin**

Password: **admin**

ES8510 (version 2.3-20091218-15:02:00).

Switch> **enable**

Switch# **show interface**

The show interface command is used in order to determine the interface that needs to be configured. By default it is vlan1, but in the event that the configuration has been changed from the default, it can be seen which interface needs to have the IP Address modified.

Interface fastethernet1

Administrative Status : Enable

Operating Status : Not Connected

Duplex : Auto

Speed : Auto

Flow Control :off

Default Port VLAN ID: 1

Ingress Filtering : Disabled

Acceptable Frame Type : All

Port Security : Disabled

Auto Negotiation : Enable

Loopback Mode : None

STP Status: disabled

Default CoS Value for untagged packets is 0.

Mdix mode is Auto.

Medium mode is Copper.

Interface fastethernet2

Administrative Status : Enable

Operating Status : Not Connected

Duplex : Auto

Speed : Auto

Flow Control :off

Default Port VLAN ID: 1

Ingress Filtering : Disabled

--More--

Port Security : Disabled

Auto Negotiation : Enable

Loopback Mode : None

STP Status: disabled

Default CoS Value for untagged packets is 0.

Mdix mode is Auto.

Medium mode is Copper.

Interface fastethernet3

Administrative Status : Enable

Operating Status : Connected

Duplex : Auto (Full)

Speed : Auto (100)

Flow Control :off

Default Port VLAN ID: 1

Ingress Filtering : Disabled

Acceptable Frame Type : All

Port Security : Disabled

Auto Negotiation : Enable
Loopback Mode : None
STP Status: forwarding
Default CoS Value for untagged packets is 0.
Mdx mode is Auto.

Interface fastethernet4

Administrative Status : Enable
Operating Status : Connected
Duplex : Auto (Full)
Speed : Auto (100)
Flow Control :off
Default Port VLAN ID: 1
Ingress Filtering : Disabled
Acceptable Frame Type : All
Port Security : Disabled
Auto Negotiation : Enable
Loopback Mode : None
STP Status: forwarding
Default CoS Value for untagged packets is 0.
Mdx mode is Auto.
Medium mode is Copper.

Interface fastethernet5

Administrative Status : Enable
Operating Status : Not Connected
Duplex : Auto
Speed : Auto
Flow Control :off
Ingress Filtering : Disabled
Acceptable Frame Type : All
Port Security : Disabled
Auto Negotiation : Enable
Loopback Mode : None
STP Status: disabled
Default CoS Value for untagged packets is 0.
Mdx mode is Auto.
Medium mode is Copper.

Interface fastethernet6

Administrative Status : Enable
Operating Status : Connected
Duplex : Auto (Full)
Speed : Auto (100)
Flow Control :off
Default Port VLAN ID: 1
Ingress Filtering : Disabled
Acceptable Frame Type : All
Port Security : Disabled
Auto Negotiation : Enable
Loopback Mode : None
STP Status: forwarding
Mdx mode is Auto.
Medium mode is Copper.

Interface fastethernet7

Administrative Status : Enable

Operating Status : Connected
Duplex : Auto (Full)
Speed : Auto (100)
Flow Control :off
Default Port VLAN ID: 1
Ingress Filtering : Disabled
Acceptable Frame Type : All
Port Security : Disabled
Auto Negotiation : Enable
Loopback Mode : None
STP Status: forwarding
Default CoS Value for untagged packets is 0.
Mdx mode is Auto.
Medium mode is Copper.

Interface gigabitethernet8

Administrative Status : Enable
Operating Status : Connected
Duplex : Auto (Full)
Flow Control :off
Default Port VLAN ID: 1
Ingress Filtering : Disabled
Acceptable Frame Type : All
Port Security : Disabled
Auto Negotiation : Enable
Loopback Mode : None
STP Status: forwarding
Default CoS Value for untagged packets is 0.
Medium mode is Copper.

Interface gigabitethernet9

Administrative Status : Enable
Operating Status : Connected
Duplex : Auto (Full)
Speed : Auto (1000)
Flow Control :off
Default Port VLAN ID: 1
Ingress Filtering : Disabled
Acceptable Frame Type : All
Port Security : Disabled
Auto Negotiation : Enable
Loopback Mode : None
Default CoS Value for untagged packets is 0.
Medium mode is Copper.

Interface gigabitethernet10

Administrative Status : Enable
Operating Status : Connected
Duplex : Auto (Full)
Speed : Auto (10)
Flow Control :off
Default Port VLAN ID: 1
Ingress Filtering : Disabled
Acceptable Frame Type : All
Port Security : Disabled
Auto Negotiation : Enable

Loopback Mode : None
STP Status: forwarding
Default CoS Value for untagged packets is 0.
Medium mode is Copper.

Interface lo is up, line protocol detection is disabled
index 1 metric 1 mtu 16436 <UP,LOOPBACK,RUNNING,MULTICAST>
HWaddr:
inet 127.0.0.1/8
input packets 0, bytes 0, dropped 0, multicast packets 0
output packets 0, bytes 0, dropped 0
output errors 0, aborted 0, carrier 0, fifo 0, heartbeat 0, window 0
collisions 0

interface vlan1 is up, line protocol detection is disabled
index 14 metric 1 mtu 1500 <UP,BROADCAST,RUNNING,MULTICAST>
HWaddr: 00:c0:4e:2c:00:51
inet 192.168.250.250/16 broadcast 192.168.255.255
input packets 0, bytes 0, dropped 0, multicast packets 0
input errors 0, length 0, overrun 0, CRC 0, frame 0, fifo 0, missed 0
output packets 0, bytes 0, dropped 0
output errors 0, aborted 0, carrier 0, fifo 0, heartbeat 0, window 0
collisions 0

Switch# **show interface vlan1**

Use the **show interface vlan1** to quickly confirm the interface.

interface vlan1 is up, line protocol detection is disabled
index 14 metric 1 mtu 1500 <UP,BROADCAST,RUNNING,MULTICAST>
HWaddr: 00:c0:4e:2c:00:51
inet 192.168.250.250/16 broadcast 192.168.255.255
input packets 0, bytes 0, dropped 0, multicast packets 0
input errors 0, length 0, overrun 0, CRC 0, frame 0, fifo 0, missed 0
output packets 0, bytes 0, dropped 0
output errors 0, aborted 0, carrier 0, fifo 0, heartbeat 0, window 0
collisions 0

Switch# **config terminal**

Switch(config)# **interface vlan1**

Switch(config-if)# **ip address 192.168.02.3/16**

The subnet must be input at the same time as the IP Address. The es8510 switch uses the IP/# nomenclature.

Where the # is 8,16 or 24

8 = Class A = 255.0.0.0

16 = Class B = 255.255.0.0

24 = Class C = 255.255.255.0

Switch(config-if)# **exit**

Switch(config)# **exit**

Switch# **write**

Building Configuration...

[OK]

The **write** command will save the changes to the es8510 memory.

Switch# **quit**

Switch login: