

Switch0

PhysicalConfigCLI

MODULES

PT-SWITCH-NM-1CE

PT-SWITCH-NM-1CFE


PT-SWITCH-NM-1CGE

PT-SWITCH-NM-1FFE

PT-SWITCH-NM-1FGE

Physical Device View


Zoom InOriginal SizeZoom Out



Customize Icon in Physical View

Customize Icon in Logical View

The PT-SWITCH-NM-1CE features a single Ethernet port that can connect a LAN backbone which can also support either six PRI connections to aggregate ISDN lines, or 24 synchronous/asynchronous ports.



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PhysicalConfigCLI

MODULES

PT-SWITCH-NM-1CE

PT-SWITCH-NM-1CFE


PT-SWITCH-NM-1CGE

PT-SWITCH-NM-1FFE

PT-SWITCH-NM-1FGE

Physical Device View


Zoom InOriginal SizeZoom Out



Customize Icon in Physical View

Customize Icon in Logical View

The PT-SWITCH-NM-1CE features a single Ethernet port that can connect a LAN backbone which can also support either six PRI connections to aggregate ISDN lines, or 24 synchronous/asynchronous ports.



Switch0

PhysicalConfigCLI

MODULES

PT-SWITCH-NM-1CE

PT-SWITCH-NM-1CFE


PT-SWITCH-NM-1CGE

PT-SWITCH-NM-1FFE

PT-SWITCH-NM-1FGE

Physical Device View


Zoom InOriginal SizeZoom Out



Customize Icon in Physical View

Customize Icon in Logical View

The PT-SWITCH-NM-1CFE Module provides one Fast-Ethernet interface for use with copper media. Ideal for a wide range of LAN applications, the Fast Ethernet network modules support many internetworking features and standards. Single port network modules offer autosensing 10/100BaseTX or 100BaseFX Ethernet. The TX (copper) version supports virtual LAN (VLAN) deployment.



PC - 1

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

Gateway/DNS

☐ DHCP

☒ Static

Gateway

DNS Server

Gateway/DNS Ipv6

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Gateway

IPv6 DNS Server

PC - 1

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address

IP Configuration

☐ DHCP

☒ Static

IP Address

Subnet Mask

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address /

Link Local Address:

PC - 2

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

Gateway/DNS

☐ DHCP

☒ Static

Gateway

DNS Server

Gateway/DNS Ipv6

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Gateway

IPv6 DNS Server

PC - 2

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address

IP Configuration

☐ DHCP

☒ Static

IP Address

Subnet Mask

IPv6 Configuration

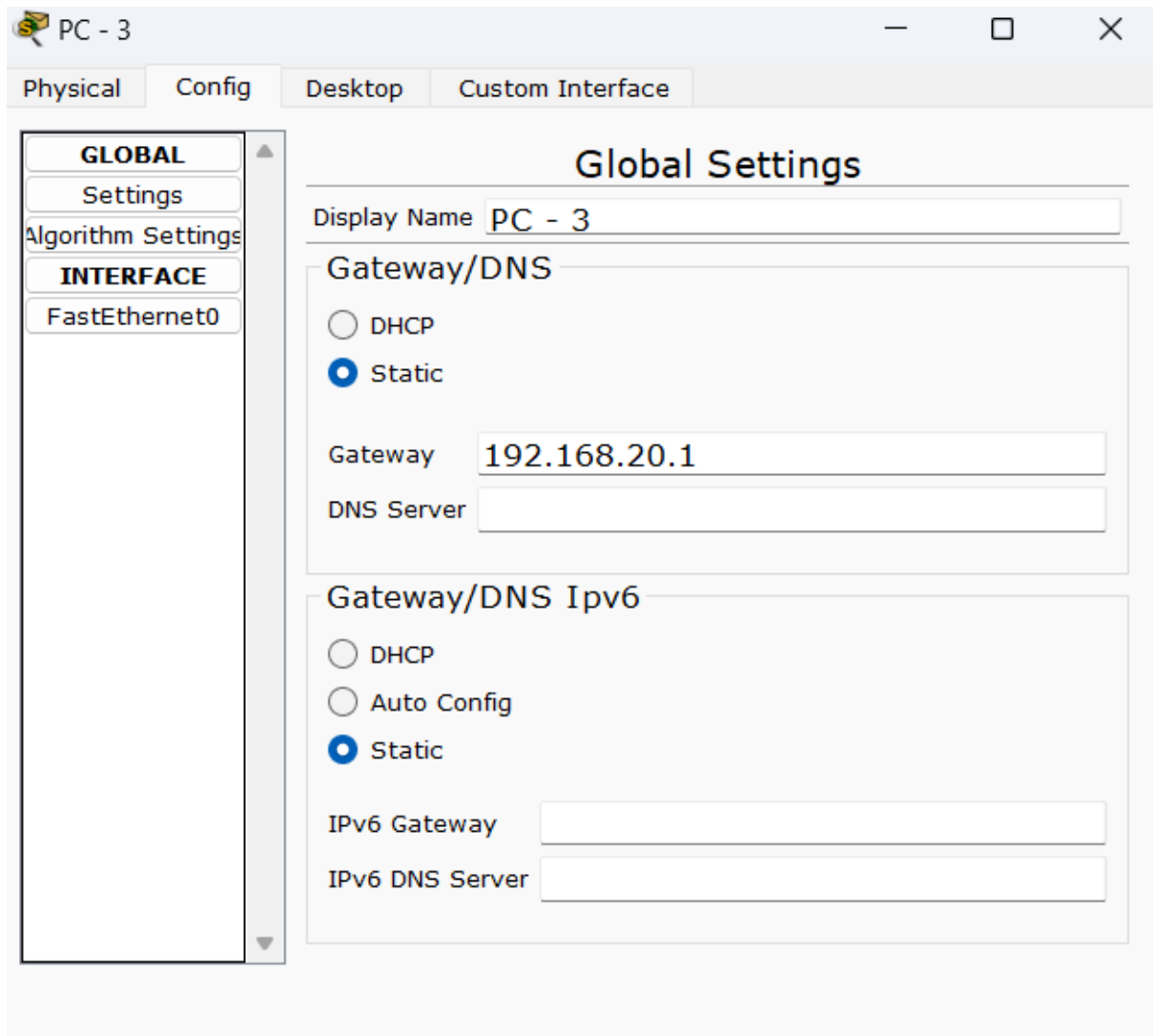
☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address /

Link Local Address:



PC - 3

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0060.47A2.776B

IP Configuration

☐ DHCP

☒ Static

IP Address

Subnet Mask

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address:30::260:47FF:FEA2:776B

PC - 3

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display NamePC - 3

Gateway/DNS

DHCP

Static

Gateway192.168.20.1

DNS Server

Gateway/DNS Ipv6

DHCP

Auto Config

Static

IPv6 Gateway

IPv6 DNS Server

PC - 3

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address

IP Configuration

☐ DHCP

☒ Static

IP Address

Subnet Mask

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address /

Link Local Address:

PC - 4

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

Gateway/DNS

☐ DHCP

☒ Static

Gateway

DNS Server

Gateway/DNS Ipv6

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Gateway

IPv6 DNS Server

PC - 4

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address

IP Configuration

☐ DHCP

☒ Static

IP Address

Subnet Mask

IPv6 Configuration


☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address /

Link Local Address:

 Router0

PhysicalConfigCLI

IOS Command Line Interface

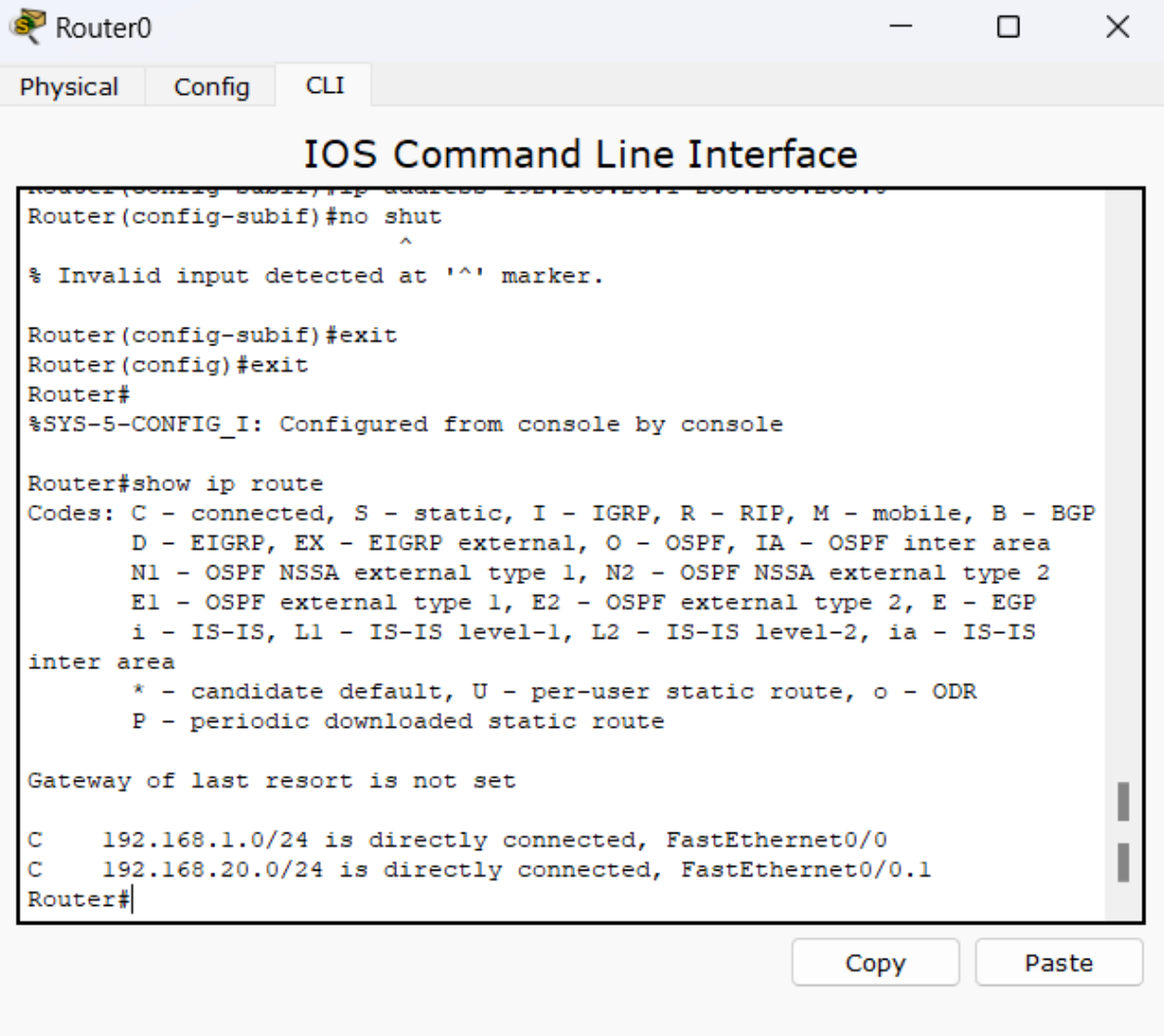
```
Router>enable
Router#vlan database
% Warning: It is recommended to configure VLAN from config mode,
as VLAN database mode is being deprecated. Please consult user
documentation for configuring VTP/VLAN in config mode.

Router(vlan)#vlan 2 name NEWVLAN
VLAN 2 modified:
    Name: NEWVLAN
Router(vlan)#
Router(vlan)#exit
APPLY completed.
Exiting....
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface Fa0/0.1
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.1,
changed state to up

Router(config-subif)#encapsulation dot1q 2
Router(config-subif)#ip address 192.168.20.1 255.255.255.0
```

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Router0

PhysicalConfigCLI

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

VLAN Configuration

VLAN Number2

VLAN NameNEWVLAN

AddRemove

VLAN No	VLAN Name
1	default
2	NEWVLAN
1002	fddi-default
1003	token-ring-default
1004	fddinet-default
1005	trnet-default

Equivalent IOS Commands

Router#vlan database

% Warning: It is recommended to configure VLAN from config mode, as VLAN database mode is being deprecated. Please consult user documentation for configuring VTP/VLAN in config mode.

Router(vlan)#

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Config

CLI

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Algorithm Settings

SWITCH

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet1/1

FastEthernet2/1

FastEthernet3/1

FastEthernet4/1

VLAN Configuration

VLAN Number

2

VLAN Name

NEWVLAN

Add

Remove

VLAN No	VLAN Name
1	default
2	NEWVLAN
1002	fddi-default
1003	token-ring-default
1004	fddinet-default

Equivalent IOS Commands

Switch(config-if) #

Switch(config-if) #

Switch(config-if) #switchport access vlan 2

Switch(config-if) #

Switch(config-if) #exit

Switch(config) #



Switch0



Physical

Config

CLI

IOS Command Line Interface

```
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#vlan 2
Switch(config-vlan)#name NEWVLAN
Switch(config-vlan)#exit
Switch(config)#
Switch(config)#interface FastEthernet4/1
Switch(config-if)#
Switch(config-if)#switchport mode trunk

Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/1, changed
state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/1, changed
state to up

Switch(config-if)#exit
Switch(config)#interface FastEthernet2/1
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#switchport access vlan 2
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet3/1
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#switchport access vlan 2
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#
```

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Switch0

Physical

Config

CLI

GLOBAL

Settings

Algorithm Settings

SWITCH

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet1/1

FastEthernet2/1

FastEthernet3/1

FastEthernet4/1

FastEthernet2/1

Port Status

☒ On

Bandwidth

☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex

☐ Half Duplex ☒ Full Duplex ☒ Auto

Access

VLAN

2

Tx Ring Limit

10

Equivalent IOS Commands

Switch(config-if) #

Switch(config-if) #

Switch(config-if) #switchport access vlan 2

Switch(config-if) #

Switch(config-if) #exit

Switch(config) #

Switch(config) #interface FastEthernet2/1

Switch(config-if) #

Switch0

PhysicalConfigCLI

GLOBAL

Settings

Algorithm Settings

SWITCH

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet1/1

FastEthernet2/1

FastEthernet3/1

FastEthernet4/1

FastEthernet3/1

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

Access VLAN

Tx Ring Limit

Equivalent IOS Commands

```
Switch(config-if) #
Switch(config-if) #exit
Switch(config) #
Switch(config) #interface FastEthernet2/1
Switch(config-if) #
Switch(config-if) #exit
Switch(config) #interface FastEthernet3/1
Switch(config-if) #
```

Switch0

PhysicalConfigCLI

GLOBAL

Settings

Algorithm Settings

SWITCH

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet1/1

FastEthernet2/1

FastEthernet3/1

FastEthernet4/1

FastEthernet4/1

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

Trunk VLAN

Tx Ring Limit

Equivalent IOS Commands

```
Switch(config)#interface FastEthernet2/1
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet3/1
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet4/1
Switch(config-if)#
```



Router0



Physical

Config

CLI

IOS Command Line Interface

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface FastEthernet0/0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up


%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

ip address 192.168.1.1 255.255.255.0

Router(config-if)#

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 Router0

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IOS Command Line Interface

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changed state to up

Router(config-subif)#encapsulation dot1q 2
Router(config-subif)#ip address 192.168.20.1 255.255.255.0
```

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