

# Configuring a Cisco Router

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## CISCO ROUTER BASICS



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# Module Goals



**Examine Cisco Routers**

**Identify Network vs. Configuration interfaces**

**PC Boot process**

**Cisco router boot process**

# Cisco Routers



302960

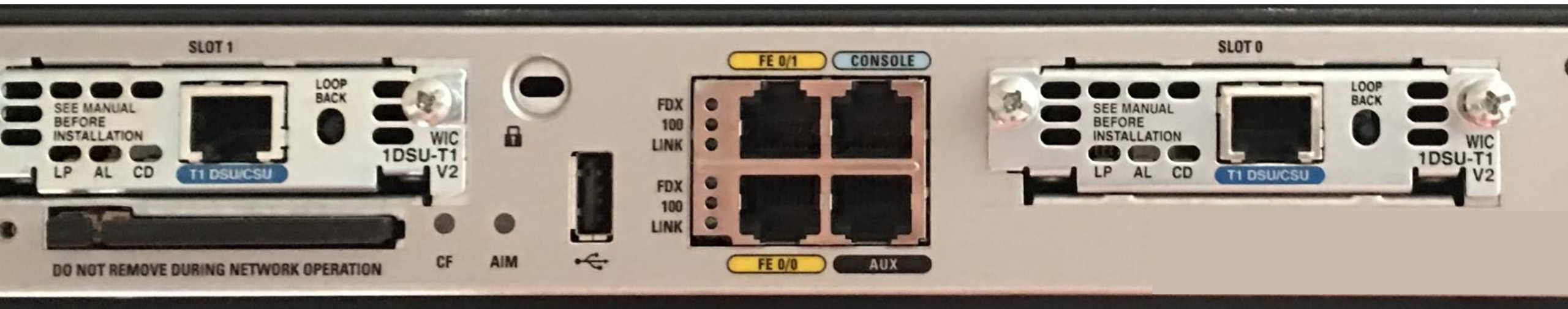
# Cisco Routers



302960

# Cisco Routers

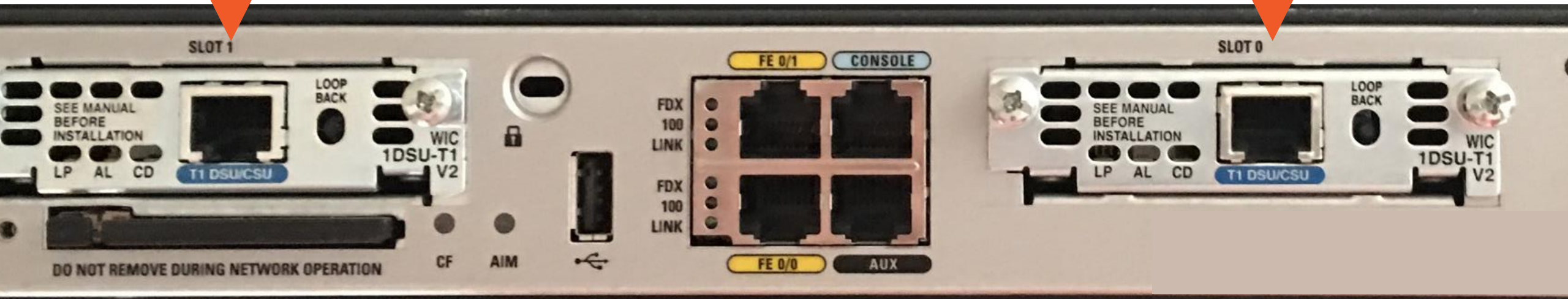
## Data Communication Ports



# Cisco Routers

## Data Communication Ports

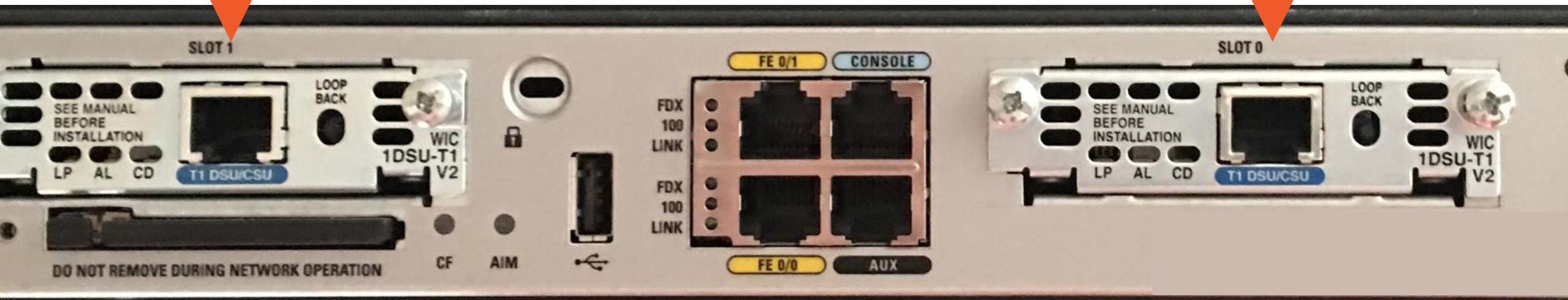
Serial Ports



# Cisco Routers

## Data Communication Ports

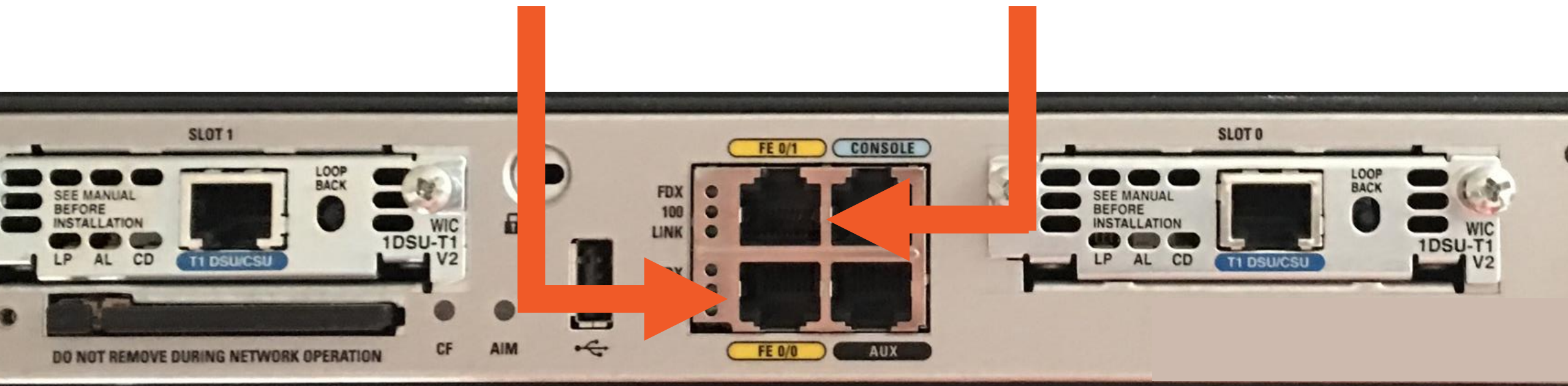
**Serial Ports**  
T1 connection



# Cisco Routers

## Data Communication Ports

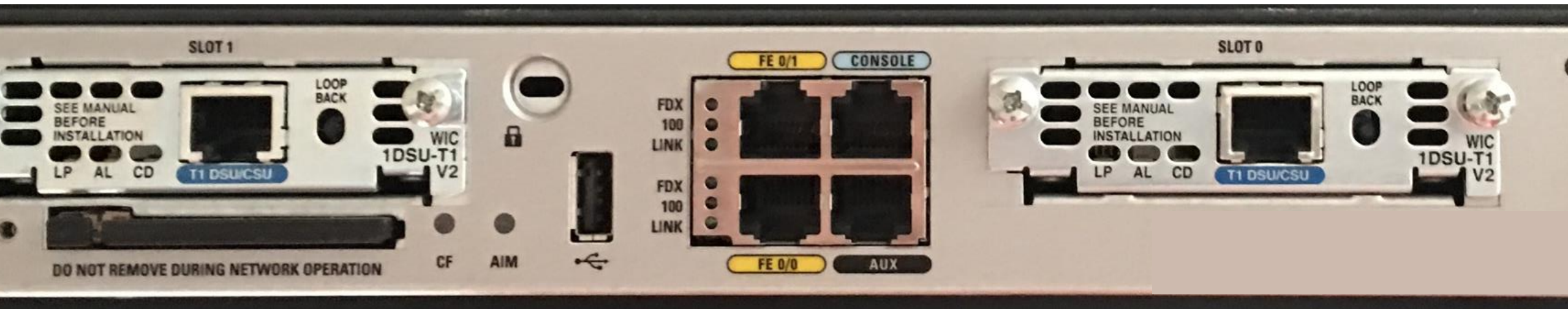
### Fast Ethernet Ports





# Cisco Routers

## Configuration Ports

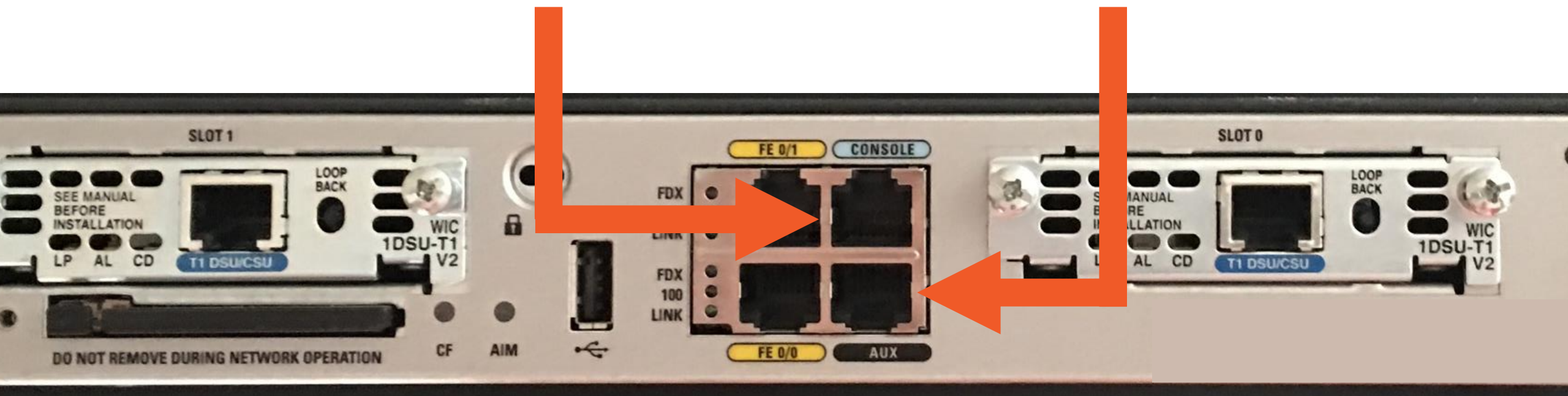


# Cisco Routers

## Configuration Ports

Console Port

Aux Port



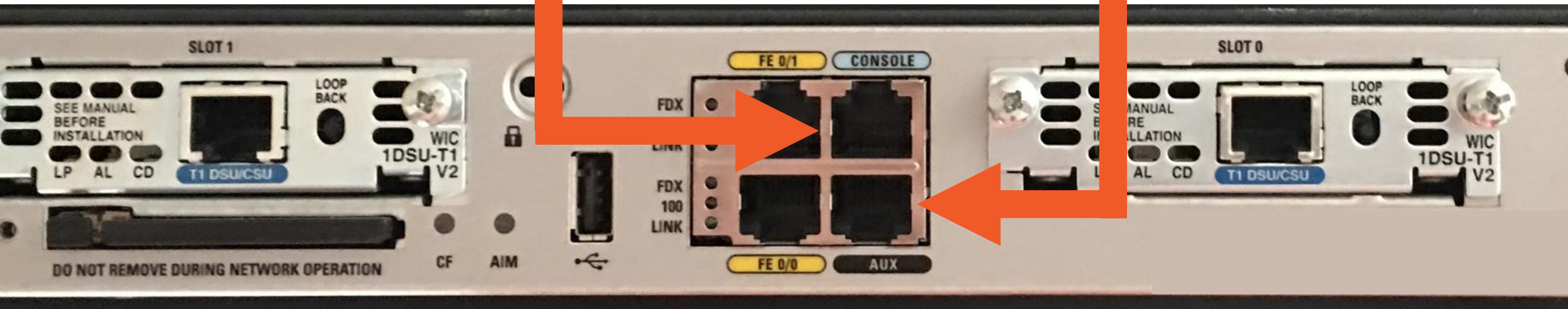
# Cisco Routers

## Configuration Ports

Console Port

Aux Port

Serial Communication



# Cisco Routers



# Cisco Routers



# Cisco Routers

Serial Port



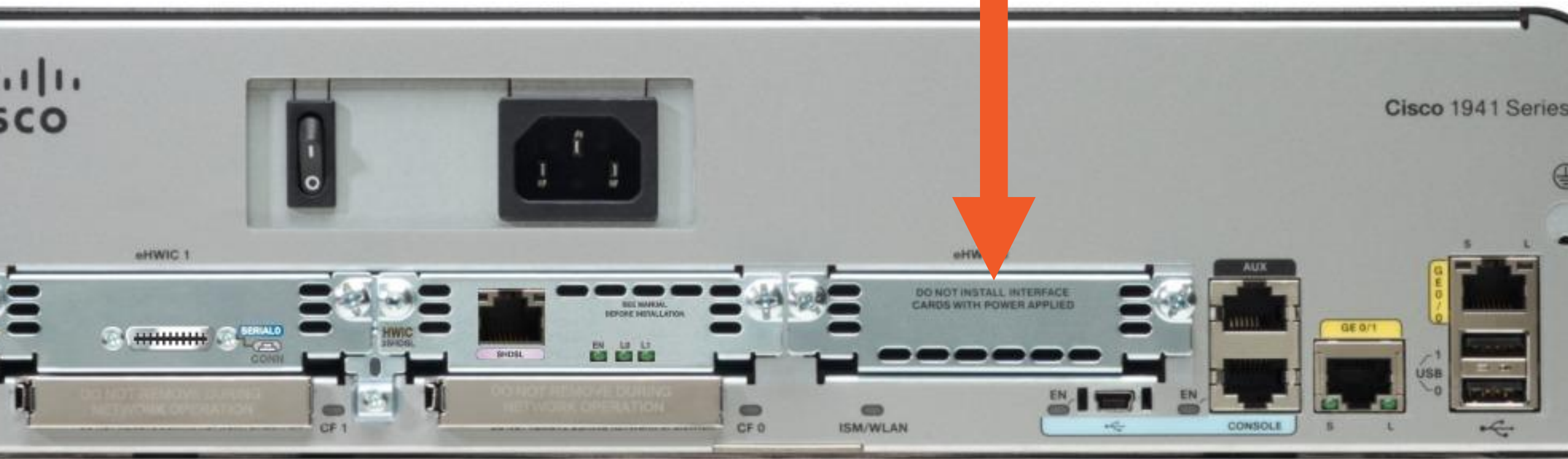
# Cisco Routers

## DSL Port



# Cisco Routers

## Expansion Slot





# Cisco Routers

Aux



# Cisco Routers

Con



# Cisco Routers

## Gigabit Ethernet



# Cisco Routers

## Gigabit Ethernet



# Cisco Routers

**USB**



# Cisco Routers

## USB configuration



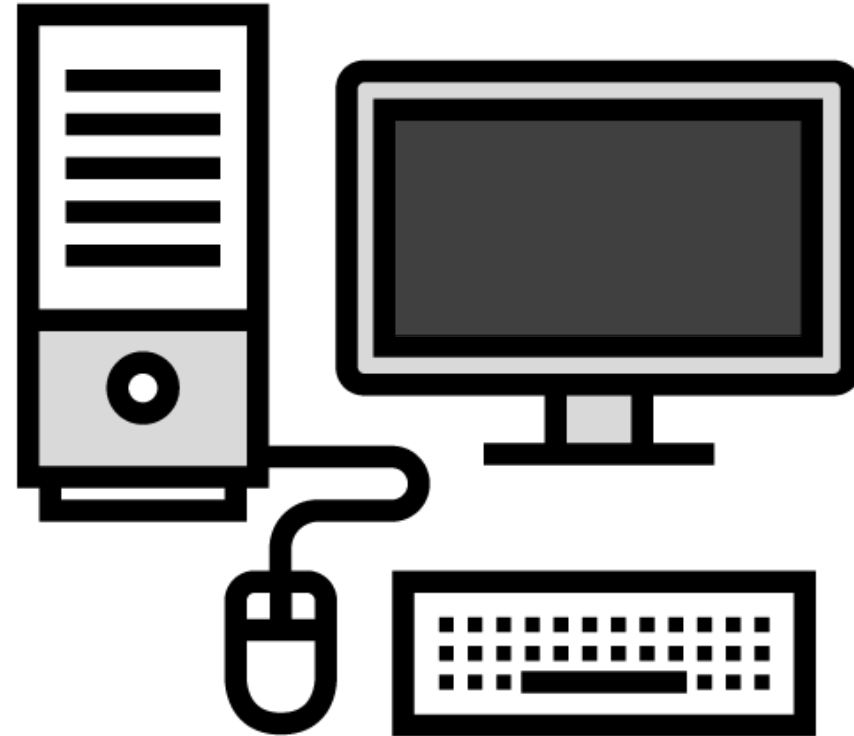
# Cisco Routers



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Power On Self Test

# PC Boot Process





# PC Boot Process

Power On Self Test

Load BIOS from ROM

Load Operating System

Load Personal Settings

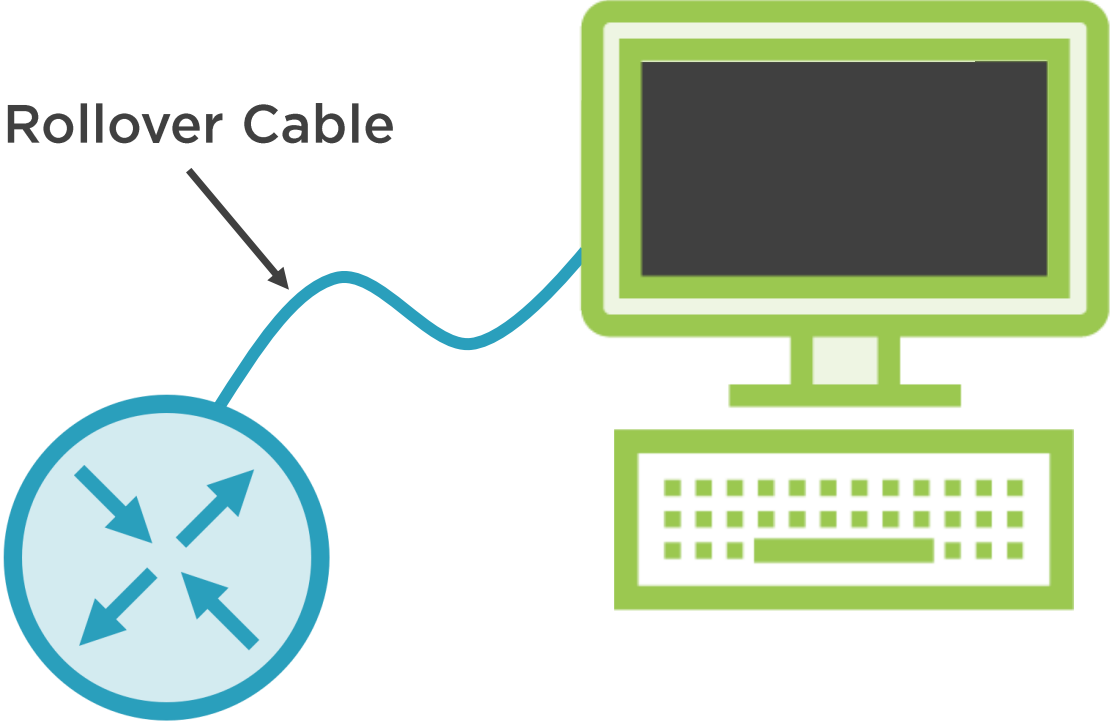


# Router Boot Process



# Router Boot Process

Power On Self Test



# Router Boot Process

Power On Self Test  
Load Bootstrap



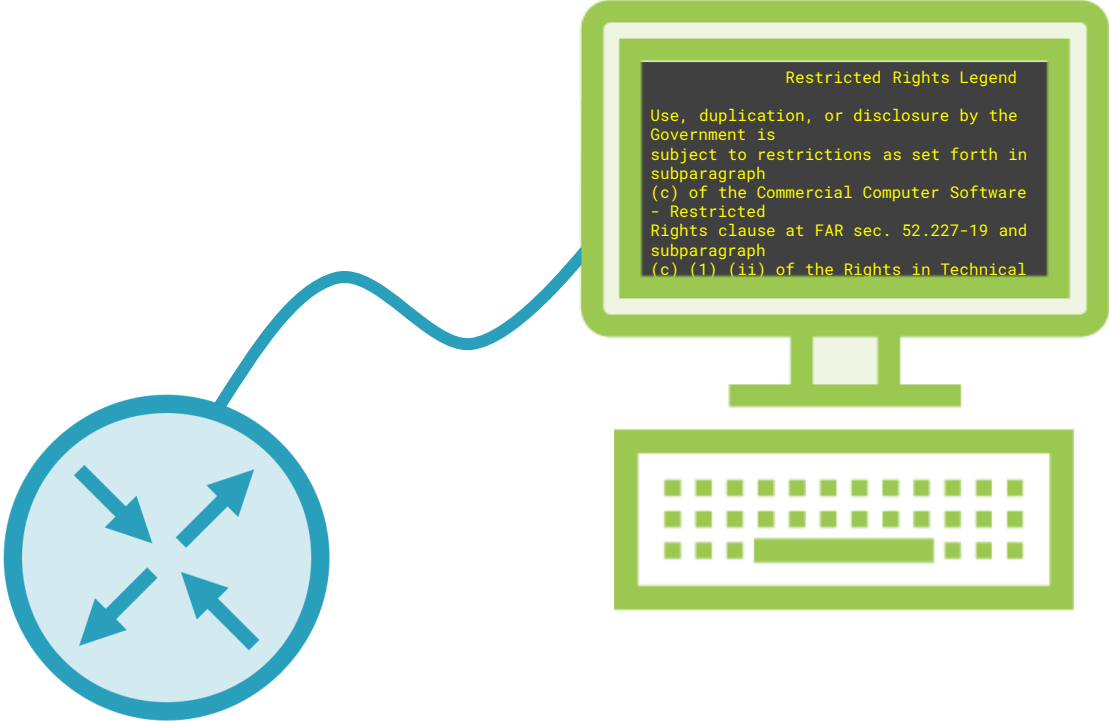
# Router Boot Process

Power On Self Test

Load Bootstrap

Load IOS

Load Configuration



# Summary



**Examine Cisco Routers**

**Identify Network vs Configuration**

**PC Boot process**

**Cisco router boot process**