

# EKI-7700 Series Managed Switch Port Mirror SOP

Revision Date	Revision	Description	Author
March/2018	V1.0	Initial release	ICG AE Eddie.Wei / Raimen Liu

# Abstract

- ❖ **This SOP explains how to configure *Port Mirror* on Advantech EKI-7700 series industrial managed switch.**
- ❖ **Related products:**  
EKI-7428, EKI-7706, EKI-7708, EKI-7710, EKI-7712, EKI-7716, EKI-7720.
- ❖ **Requirement: Advantech managed switch, RJ45 ethernet cable, PC**

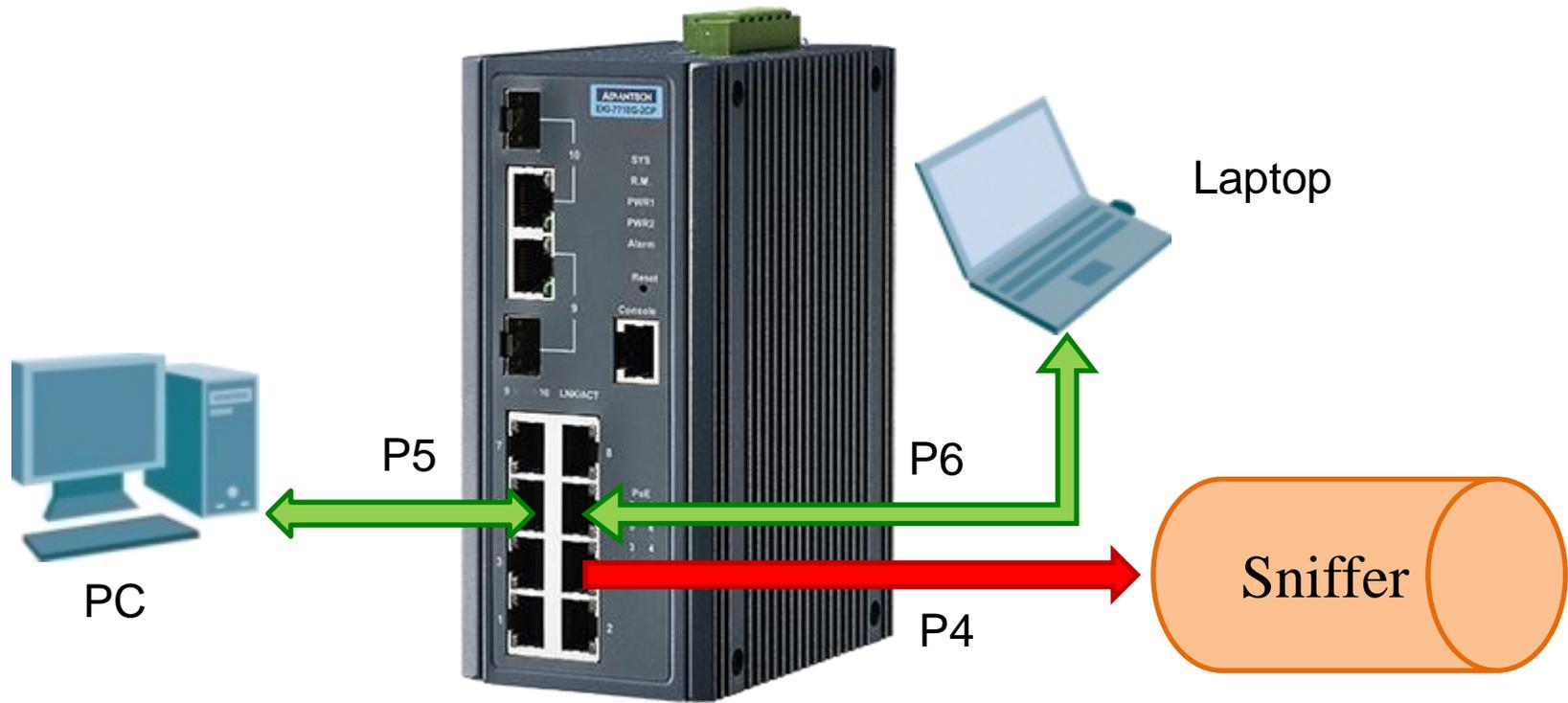




# Port Mirror

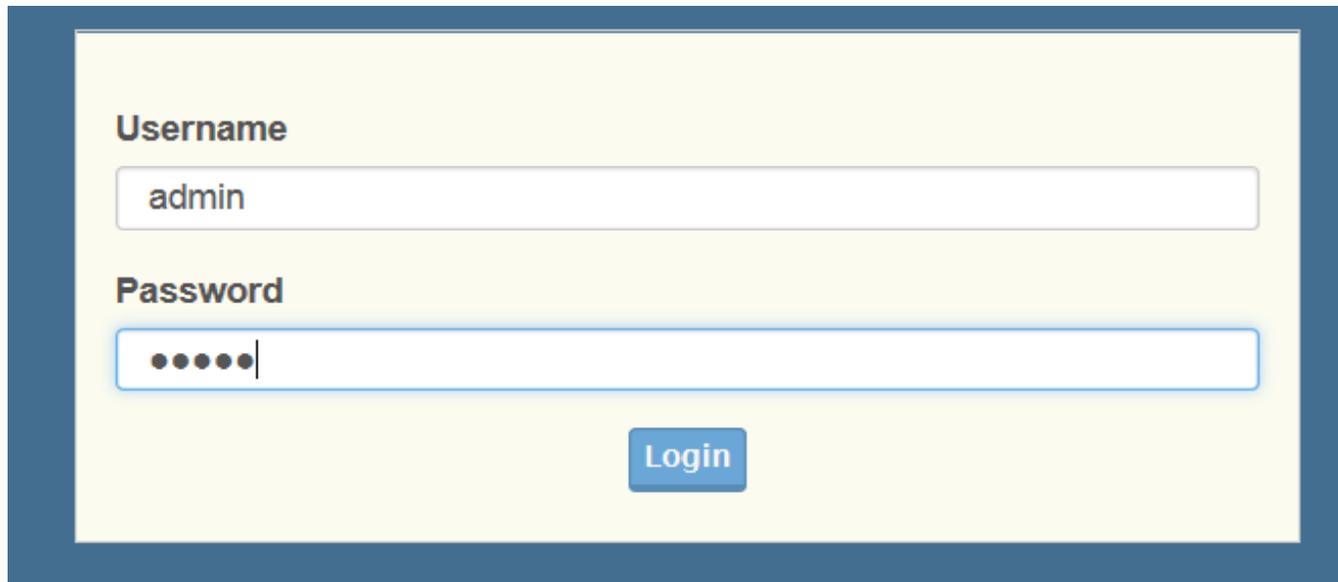
# Port Mirror

- Sniffer Tx/Rx packets from source ports.
- PC ping Laptop: By mirroring P5 or P6 to P4, then we can capture ICMP request and reply packets from P4.



# Port Mirror Configurations(1/4)

- Step 1: Logging the switch with admin/admin as Username/Password by default.



A screenshot of a login form for a switch configuration page. The form is enclosed in a blue border and has a light yellow background. It contains two input fields: one for the username, which is pre-filled with 'admin', and one for the password, which is masked with five dots. Below the password field is a blue 'Login' button.

Username

Password

Login

# Port Mirror Configurations (2/4)

## ■ Step 2: Under L2 Switching -> Port Mirror

**Session ID: Max. is 4**

**Monitor session state: Portbase-enabled**

Session ID	Destination Port	Ingress State	Source TX Port	Source RX Port
1	FE2	enabled	FE3	FE3
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

# Port Mirror Configurations (3/4)

**ADVANTECH** EKI-7710E-2CPI-AE Intelligent Industrial Switch

Switch / L2 Switching / Port Mirror

### Mirror Settings

Session ID: 2

Monitor session state: portbase-enabled

Destination Port: FE4

Allow-ingress: Enabled

Sniffer RX Ports: x FE5 x FE6

Sniffer TX Ports: x FE5 x FE6

Apply

**Destination Port:** Select port to receive the traffic from configured mirrored ports.

**Allow-Ingress**

1. Enabled: Allow packet to pass on this port.
2. Disabled: Not allowed packet to pass on this port.

### Mirror Status

Session ID	Destination Port	Ingress State	Source TX Port	Source RX Port
1	FE2	enabled	FE3	FE3
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

# Port Mirror Configurations (4/4)

**ADVANTECH** EKI-7710E-2CPI-AE Intelligent Industrial Switch

Switch / L2 Switching / Port Mirror

**Mirror Settings**

Session ID: 2

Monitor session state: portbase-enabled

Destination Port: FE4

Allow-ingress: Enabled

Sniffer RX Ports: x FE5 x FE6

Sniffer TX Ports: x FE5 x FE6

Apply

**Mirror Status**

Session ID	Destination Port	Ingress State	Source TX Port	Source RX Port
1	FE2	enabled	FE3	FE3
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

## Sniffer RX/TX Ports:

1. What kind of type packets (RX/TX) which go through on the ports you want to sniffer.
2. The max. sniffer ports is not limited every session.

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