# **EKI-122xR Port Forwarding SOP**

Revision Date	Revision	Description	Author
May/2019	V1.0	Initial release	ICG AE Jacky.Lin

**Enabling an Intelligent Planet** 

### **AD\ANTECH**

### Abstract

- This SOP explains how to configure the EKI-122xR for Port Forwading.
- Related products:

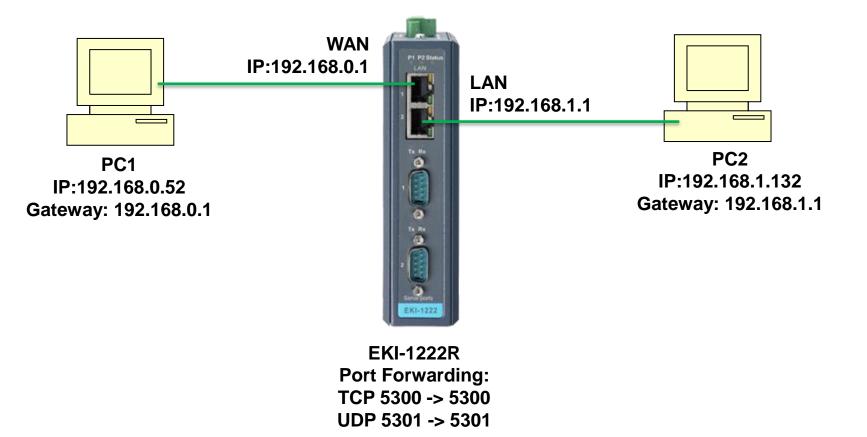
EKI-122xR series

Requirement: EKI-122xR series





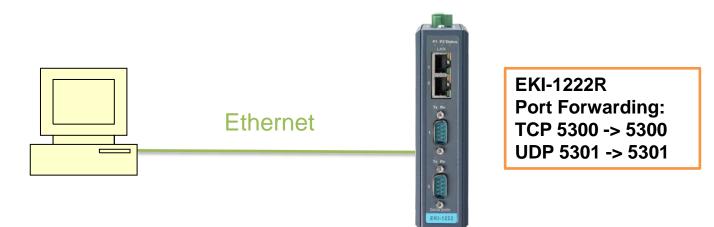




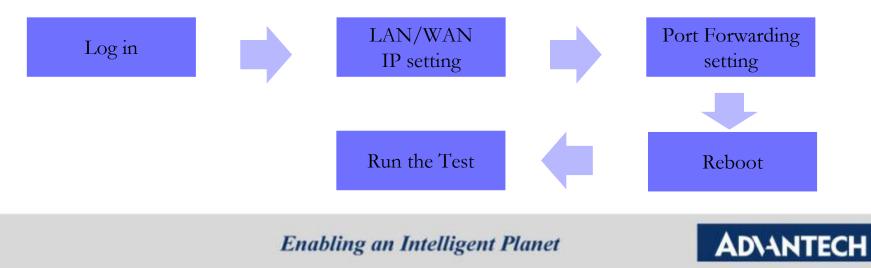


### **Setting flow chart**

#### **EKI-1222R**



Step 1 :Connect the EKI-1222 LAN port via Ethernet cable Step 2 : follow the flow chart to set up EKI-6332 step by step.





#### Scan the device and Log in by browser

这 Advantech EKI Device Configuration Utility v	3.02	And a state of the second	
File View Management Tools Help			
🙀 🔍 🅖 🔍 🙈 👔			
EKI Device     EKI-1221R-CE     EKI-1221R-CE-B12D1B     EKI-1221R-CE-B12D1B     Eth 1/WAN (192.168.0.1)     Eth 2 (192.168.1.1)     EKI-1524-CE     EKI-1526-BE     EKI-1526-BE     EKI-5725     EKI-5725     EKI-5725     EKI-5725     EKI-5725     EXIST25     Favorites     Serial Ports     Virtual Com Ports     Virtual Com Ports     Virtual Com Ports     Virtual Com Ports	Basic Launch Brows MAC Address Static IP Address Subnet Mask	er 2 F4:E1:1E:B1:2D:1B 192.168.1.1 255.255.255.0	



## LAN / WAN IP setting (1/2)

#### Set the LAN IP & mask

AD\ANTECH	EKI-1221R-CE O Modbus Router			
Overview	≡ Home / LAN			
LAN and DHCP				
• WAN	¢ LAN			^
VPN Passthrough	LAN			
	IPv4 Address	192.168.1.1		2
A OpenVPN	IPv4 Netmask	255.255.255.0		
▼ Filter	DHCP Server			
Port Forward	DHCP Server	• Enabled O Disabled		
≓ QoS	Start	100		
≣ Static Routes	Limit	150		
+ Diagnostics	Leasetime	12	Hours	
Status		O Enabled O Disabled		
F Management	DNS Strict-order			
	Custom Primary DNS Server	DNS Server		
	Custom Secondary DNS Server	DNS Server		



### LAN / WAN IP setting (2/2)

#### Set the WAN IP & mask

AD\ANTECH	EKI-1221R-CE Modbus Router		
Overview	≡ Home / WAN		
LAN and DHCP			
• WAN 1	WAN		^
VPN Passthrough	Protocol	static IP v	
💋 Port Configuration	IPv4 Address	192.168.0.1	
	IPv4 Netmask	255.255.255.0	2
▼ Filter	IPv4 Gateway	192.168.0.254	
Port Forward		DNS Server	
≓ QoS	Custom DNS Server 1		
≣ Static Routes	Custom DNS Server 2	DNS Server	
+ Diagnostics		Apply 3	
Status			
F Management			



### **Port Forwarding Setting**

Set the Port forwarding as following

AD\ANTECH	EKI-1221R-CE Modbus Router							
Overview	Home / Port Forward / Port I	Forwarding						
LAN and DHCP								
𝘌 WAN	Port Forwarding Name	Start Port	End Port	Local IP	Local Port	Protocol	Delete	
VPN Passthrough	TCP port forwading	5300	5300	192.168.1.132	5300	TCP •	Delete	2
💋 Port Configuration	UDP port forwading	5301	5301	192.168.1.132	5301	UDP •	Delete	
A OpenVPN				102.100.1.102				J
▼ Filter	Add Apply 3							
>> Port Forward								
Port Forwarding								
DMZ								
₽ QoS								
≣ Static Routes								





#### Reboot the device

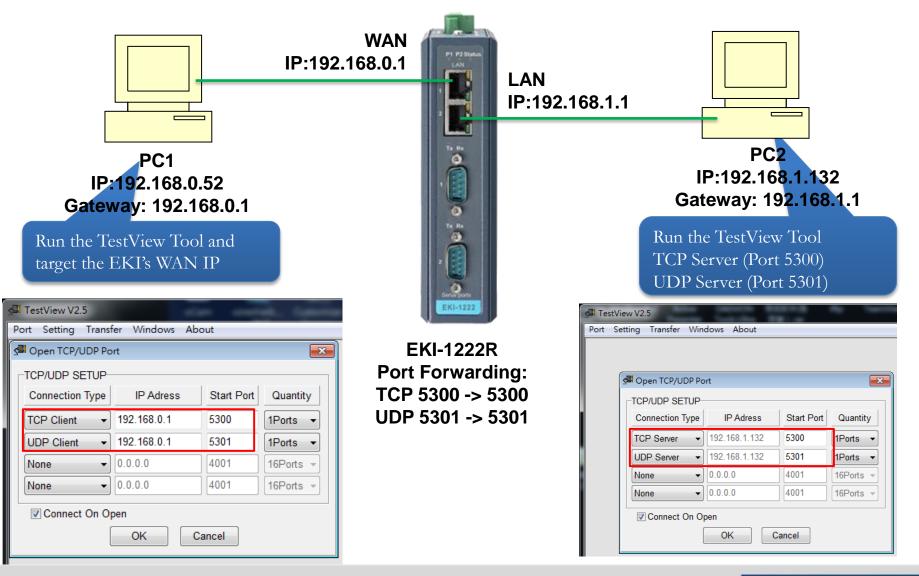
<b>ADVANTECH</b>	EKI-1221R-CE O Modbus Router	Welcome, admin
Dverview	E Home / System Management / Reboot Device	
LAN and DHCP		
😒 WAN	A Reboot Device	
VPN Passthrough	Reboot Device Reboot	
💋 Port Configuration		
A OpenVPN		
▼ Filter		
Port Forward		
≓ QoS		
≣ Static Routes		
+ Diagnostics		
Status		
F Management		
Administration		
Backup / Flash Firmware		
System		
Reboot 1		
		-



## **Run the Test**



## **Testing Topology**



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### **Run the Test**

Click "connect" and send the data from PC1

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Port	Setting T	ansfer Windows	About						
4		orts							
	Connect/Li		Clear Send D	ata Stop Data Sta	art Thoughput Stop Th	oughput Terminal			
	Port	Status	Source	Destination	Send Bytes	Receive Bytes	Transmit throughput	Receive throughput	Running Time
Т	Ccp_client	Connect	192.168.0.52:11208	192.168.0.1:5300	3	0	0	0	00:00:44
l	Jdp_client	Connect		192.168.0.1:5301	3	0	0	0	00:00:44
Ŀ	•								•

See the PC2 receive the data

Connect/Lis	orts ten Disconnect	Clear Send D	Data Stop Data Sta	art Thoughput Stop Tho	ughput Terminal		E	
Port	Status	Source	Destination	Send Bytes	Receive Bytes	Transmit throughput	Receive throughput	Running Time
cp_server	Connect	192.168.1.132:5300	192.168.0.52:11208	0	3	0	0	00:03:03
dp_server	Connect	192.168.1.132:5301	192.168.0.52:60211	0	3	0	0	00:03:05
	192.168.1.132:530	00 (Connect 🗖 🖻	2 222	rver 192.168.1.132:5301 (C	Connec 🗆 🗖			•





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