AD\ANTECH Enabling an Intelligent Planet

Advantech AE Technical Share Document

Date	2019/7/31	SR#	1-3844402733		
Category	■FAQ □SOP	Related OS	EdgeLink image		
Abstract	How to set up port forwarding from AP to EdgeLink devices?				
Keyword	port forwarding, public IP				
Related					
Product	ADAM-3600, ECU-1152, ECU-1251, ECU-1051				

Problem Description:

This document demonstrates the setting SOP of port forwarding. In this way, a user can download/ upload projects or setting commands to the iRTU modules by a public IP on AP.

■ <u>Answer</u>:

According to the port number shows on EdgeLink software, the project download is using port number 6001. So if the port forwarding purpose is for download/ upload project to the iRTU device, please use port 6001 for port forwarding setting on your router. If the purpose is for RESTful commands, then please setup port 443 for port forwarding target. Figure 1 answers the doubts if a user need to know which port number is used for which purpose.

This document demonstrates the purpose of downloading a project to ADAM-3600. Note: enabling "firewall setting" is **not** required.

8	A	dvantech EdgeLink	Studio				
Project Help							~ €
	.		*				
Create Open Close Save Project Project Project Project Downle			port tags Device to Excel Model				
Project 🔺 I	Deploy 🔺	Option	A				
Project Configuration «	踚 Firewall(ADAM36	500_Haley) ×					
ADAM3600Haley252	Firewall Setting						
ADAM3600_Haley-172.16.12.33 Adams Center Adams Center Data Storage Adams Center Adams Center Adams Center Adams Center	Enable Firewall		Modify				
🙀 KW Settings	Name	Local Service	Socket Type	Port	Network Interface	Allowed	IP
	 Project Download/ 	. Project Download/	ТСР	6001	ALL	All IP	
Eloud	Device Search	Device Search	UDP	6513	ALL	All IP	
🗄 📲 System	HTTPS	HTTPS	TCP	443	ALL	All IP	
	iCDManager	iCDManager	ТСР	7001	ALL	All IP	
- ₩ LED Setting - ③ Time Sync Setting - 13 GPS Setting - 3 SMTP Setting							



Step1. Set port forwarding (port 6001) on AP and the target internal IP address.

	IP				
AP	124.9.5.118				
ADAM-3600	192.168.0.104				

Table 1. Assigned I	P addresses
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I P-LINK	C			
tatus				
uick Setup	Status			
/PS				
etwork		Firmware Version:	3.16.9 Build 150311 Rel.62186n	
lireless		Hardware Version:	WR940N v2/WR941ND v5 00000000	
НСР				
orwarding				
ecurity	LAN			
arental Control		MAC Address:		
ccess Control		IP Address:	192.168.0.1	
dvanced Routing		Subnet Mask:	255.255.255.0	
andwidth Control				
9 & MAC Binding ynamic DNS	Wireless			
ystem Tools	WITCHESS			
ogout		Wireless Radio:	Enable	
oyour		Name (SSID):	TPLINK8_AE	
		Mode:	11bgn mixed	
		Channel Width:	Automatic	
		Channel:	7	
		MAC Address:)	
		WDS Status:	Disable	
	WAN			
		MAC Address		
		MAC Address:	101.0.5.110	
		IP Address:	124.9.5.118	Static
		Subnet Mask:	255.255.255.192	
		Default Gateway:	124.9.5.65	
		DNS Server:	61.31.233.1 , 0.0.0.0	

Figure 2. AP is using a public IP.

Step2.	Set port	forwarding	(port 6001)	on AP	and the	target internal	IP address.
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TP-LINK [®]								
Status								
Quick Setup	V	/irtual Servers						
WPS								
Network	ID	Service Port	Internal Port	IP Address	Protocol	Status	Modify	
Wireless								
DHCP	1	6001	6001	192.168.0.104	All	Enabled	Modify Delete	
Forwarding	_							
- Virtual Servers	A	Add New En	able All Disable All	Delete All				
- Port Triggering								
- Port Triggering - DMZ				Previous	Next			

Figure 3. Setup port forwarding on AP according to the table 1 and figure 1.

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Step 3. Make sure the target iRTU is alive. There is no need to make sure the device is under the same subnet with the PC EdgeLink software.

Online Device «	🖄 Online Monitor(新节点) 🗙	
⊡ Online Device 	ADAM-3600-C2G	
	S Tags	
	I/O Status	🌑 Tags
	回 (Main) ADAM-3600-C2G	
	I System Information	System Tag IO

Figure 4. Make sure iRTU device is online.

Test result:

Download by using a public IP address. The IP is AP's IP address on WAN port.



Figure 5. Download project targeting to a public IP.