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, ECO-1152, ECO-1251, ECO-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.

S			Adv	vantech EdgeLi	nk Studio				_	
Project Help										
📮 🗁 📑 💾			(1)	*	*					
Create Open Close Save Project Project Project	Project ownload	Export To d SD Card	Show Ta Count	g Import tags from Excel	Export tags to Excel	Device Model				
Project 🔺	De	ploy 🛛 🖌		Option	1					
Project Configuration	«	踚 Firewall(/	DAM360	D_Haley) ×						
	[Tirewall S	etting							
ADAM3600_Haley-172.16.12	ADAM3600_Haley-172.16.12.33									
🛶 Event Manager	-	- ///			, Houry					LTD
KW Settings		Nam	P	Local Service	Sock	er type	POPT	Network Interface	Allowed	IP
Connectivity		 Project Dov 	/nload/ F	Project Download	d/ TCP		6001	ALL	All IP	
🗄 🔤 Cloud	-	Device Sear	ch [Device Search	UDP		6513	ALL	All IP	
ia-lo System HTTPS HTTPS TCP 443 ALL All IP										
🗠 Network Setting KDManager KDManager TCP 7001 ALL All IP										
- @ GPS Setting										
SMTP Setting										
Firewall										



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 IP addresses.					
	IP				

IP-LINK	,	
Status		
Quick Setup	Status	
WPS		
Network		2 46 0 Duild 460244 Del 62406e
Wireless	Firmware version:	3.10.9 Build 150311 Rel.021800
ЭНСР	Hardware version:	WR940N V2/WR941ND V5 0000000
Forwarding		
Security	LAN	
Parental Control	MAC Address:	
Access Control	IP Address:	192.168.0.1
Advanced Routing	Subnet Mask:	255.255.255.0
Bandwidth Control		
IP & MAC Binding		
Dynamic DNS	wireless	
System Tools	Wireless Radio:	Enable
Logout	Name (\$SID):	TPLINK8_AE
	Mode:	11bgn mixed
	Channel Width:	Automatic
	Channel:	7
	MAC Address:)
	WDS Status:	Disable
	WAN	
	MAC Address:	
	IP Address:	124.9.5.118 Static IP
	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-LIN	K°							
Status								
Quick Setup	V	/irtual Servers						
WPS								
Network		Comileo Dest	Informal David	ID Address	Destand	Chatura	M - 416 -	
Wireless		Service Port	Internal Port	IP Address	Protocol	Status	Modily	
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								
- DMZ				Drevious	Nevt			
- UPnP				TTEVIOUS	NCAL			

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	
	Sags	
	I/O Status	🌑 Tags
	(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.