

Advantech AE Technical Share Document

Date	2023 / 09 / 05	Release Note	Internal External			
Category	■ FAQ □ SOP	Related OS				
Abstract	How can I check which type of SIM card is suitable for our module?					
Keyword	LTE, LTE-M, SIM, APN name					
Related Product	WISE-6610					

Problem Description:

How can I check which type of SIM card is suitable for our module? Why can't we use LTE-M sim card to connect network with WISE-6610-A100-C There is a little difference between LTE and LTE-M. How to set APN name for fixed public IP.

• What is the LTE-C ?:

https://www.cht.com.tw/home/campaign/M-IoT/index.html







This is a guide to help you understand what WISE-6610 naming rule and the guide to each WISE-6610 model name,

WISE-6610 for three main regions, which is A = Asia Pacific, E = Europe, N = National So, there are WISE-6610-A, WISE-6610-E, WISE-6610-N, follow with regional name, there are a 3 digits numbers, 100 means support 100 nodes, 500 means support 500 nodes, so there are WISE-A100, WISE-A500, The last letter in the model name is after the number does it include C, if there is a C at the end of model name, it means cellular connectivity and SD card included, for Europe and Asia version, it carries LTE, for National version, it carries LTE CAT. M1 as cellular connectivity.



In the module WISE-6610-A100C-A, we should choose the LTE sim card not LTE-M, and we can also check it with datasheet





In this case, we also need a fixed IP for the customer's project. They want to control and monitor the WISE-6610-A100C-A remotely. There are different plans from Chunghwa Telecom available for selection here.

830 NT/ per month

中華電信 Chunghwa Telecom	市話長途	行動	數據網路電路	雲端	資安	商務應用	智慧聯網	成功案例	
	行重購機	b固定IP上網 網約方案:	服務(含設備)費率 網速提供低、中	、高三類型述	速率支援設例	^莆 自備或綁約			
	申	裝類別最高 上 行 不限流	速率(下行/) 量	ip1(2M/2	M)	ip2(21M	1/21M)	ip3(不	限速)
		綁約期	限 1	年	2年	1年	2年	1年	2年
		出帳金	額 83	0元	700元	1,429元	1,250元	1,980元	1,800元

This is example for set the cellular APN name with WISE-6610-A100C-A.

tatus			1st Mo	bile V	V
eneral	Create connection t	o mobile network			
1obile WAN		1st SIM card	2nd SIM card		
letwork	APN *	ip1]
HCP	Username *	重改 為in1			
vnDNS	Password *	XUX mpp 4			í.
ystem Log	Authentication	PAP or CHAP	✓ PAP or CHAP	~	í.
onfiguration	IP Mode	IPv4	✓ IPv4	~	ĵ.
AN	IP Address *				
RRP	Dial Number *	10/24			ĺ
tobile WAN	Operator *	IP12	亚 維持至日即 可		í
PPoE	Network Type	automatic selection	✓ automatic selection	~	í
ackup Routes	PTN *	0000			í
irewall	MDU	4500	4500		
IAT	MRU	1500	1300		bytes
penVPN	MTU	1500	1500		bytes
Psec	DNS Settings	get from operator	✓ get from operator	~	1
RE	DNS IP Address				í
	DNC ID C Address				
rvices	DNS IPV6 Address				J
ansion Port 1	(The feature of check	connection to mobile netwo	rk is necessary for uninte	rrupt	ed ope
	11				

If you wish to modify the APN parameters, you can do so by navigating to Cellular >> SIM Config. For the APN field, you must enter the information provided by your telecommunications provider. For example, 'internet' is the basic service for most telecommunications providers, 'ip1' represents Chunghwa Telecom's enterprise fixed IP 1, and 'ip3' represents Chunghwa Telecom's enterprise fixed IP 3, among many others that correspond to various functions. After configuring the settings, please click 'Apply' and wait for the device to reboot.



Version:1.0

For the fixed IP setting, you should enable remote HTTPs access on port 443 as follow.

Status					
General	Public Port(s)	Private Port(s)	Туре	Server IP Address	Description *
Network			TCP 🗸]	
DHCP			TCP 🗸	1	
IPsec				1	
DynDNS					
System Log		1			
Configuration				JL	
LAN					
VRRP					
PPPoE			TCP 🗸]	
Backup Routes			TCP 🗸]	
Static Routes			TCP V]	
Firewall		1		1	
NAT				1	
• IPv4		<u> </u>			
• IPv6					
OpenVPN			TCP 🗸]	
IPsec			TCP 🗸]	
GRE		1	TCP V]	
DDTD					
Services	Enable remo	te HTTP access on	port 80		
Expansion Port 1	Enable remote	te HTTPS access o	on port 443	3	
Expansion Port 2	Enable remo	te FTP access on r	port 21		
USB Port			aart 22		
Scripts		te son access on	port 22		
Automatic Update	Enable remo	te Telnet access o	n port 23		
Customization	Enable remo	te SNMP access or	n port 16	1	
	Send all rem	aining incoming p	ackets to d	default server	
User Modules	Default Server	IP Address			
Administration					
Users	Masquerade	outgoing packets			
Change Profile	* can be blank				
Change Password	Apply				
Set Real Time Clock					

The description is about the HTTPs.



Item	Description
Enable remote HTTP access on port	This option sets the redirect from HTTP to HTTPS only (disabled in default configuration).
Enable remote HTTPS access on port	If field and port number are filled in, configuration of the router over web interface is allowed (disabled in default configuration).
Enable remote SSH access on port	Select this option to allow access to the router using SSH (disabled in default configuration).
Enable remote SNMP access on port	Select this option to allow access to the router using SNMP (disabled in default configuration).
Masquerade outgoing packets	Activates/deactivates the network address translation function.

Use the following parameters to set the routing of incoming data from the WAN (Mobile WAN) to a connected computer.

You can PING the IP address of the WISE-6610 from any notebook or PC computer anywhere.

