

Quick Start Guide for ADAM-6700 Series and ADAM-6700E.

This Quick Start Guide demonstrates how to use ADAM-6700E, USB to MiniPCle Adaptor Module, to extend wireless communication for ADAM-6700 series.

ADAM-6700 Web Utility Configuration

To obtain the gateway IP address, connect the LAN port of the ADAM-6700 device to your computer. Then use the ADAM/Apax.NET Utility, version 2.05.11 B19 or later, to obtain the IP address (static or DHCP mode). Please refer below steps

1. Enter the ADAM/Apax.NET Utility. Right-click the **Ethernet** icon and click **Search Device**.



Figure 1. 1 Web Utility Searching Devices

2. The ADAM/Apax.NET Utility will list the connected ADAM-6700 gateways and their IP address.

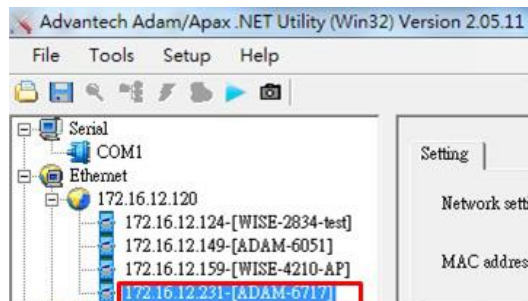


Figure 1.2 Web Utility Obtaining the Gateway IP Address

Note: Advantech has developed a web portal for configuring the ADAM-6700 series gateways. To access the web portal, users must obtain the IP address of the assigned LAN port. Then open a browser and type the IP address of the LAN port. The default IP setup mode is "DHCP".

- If the IP mode is set as "DHCP" and the gateway is connected to the DHCP server, type the IP address of the assigned LAN port.
- If the IP mode is set as "DHCP", but the gateway is not connected to the DHCP server, the LAN port will be automatically set to (Eth0)10.0.0.1 and (Eth1) 11.0.0.1

- If the IP mode is set as “static IP”, input the assigned static IP address.

3. Open the web utility

Input the LAN Port IP Address in browser.



Figure 1.3 Input the LAN Port IP Address

After inputting the LAN port IP address, the web portal interface should be displayed.

Click “Link” to navigate to the web utility configuration page.



Figure 1.4 Web Portal

4. On the Configuration page of the web utility, click “Link”. In the popup window displayed, enter the username and password and click “Sign In”.

Default username: root

Default password: 00000000

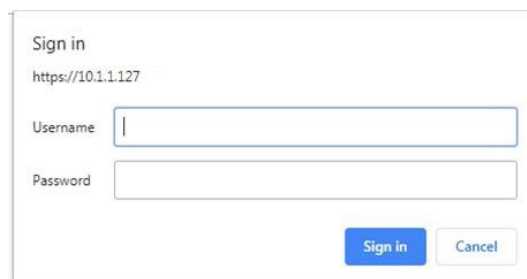


Figure 1.5 Web Utility Login Window

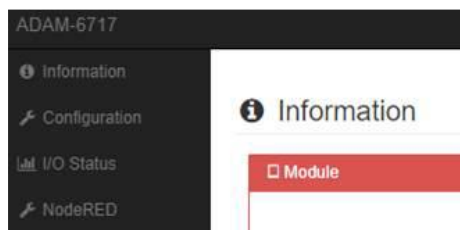


Figure 1.6 Web Utility Configuration Page

Wi-Fi Network Setting

Users need to click **Enable WLAN** and set the SSID name and security of the WLAN to join the network. There are 3 optional security modes for the network:

1. Open : LAN is open. Users can enter the LAN without a password.
2. WEP: A type of authentication that encrypts the LAN and requires a password.
3. WPA/WPA2 PSK : A type of authentication that encrypts the LAN advanced and requires a password.

Configuration

Information Network **Wi-Fi** Cellular Time & Date Control General Firmware Account

WLAN

WLAN Configuration

Enable WLAN

Network SSID

Security

Password

Figure 2.1 Wi-Fi configuration page

You can see the **Wireless Status** in **Information** tab.


Wireless Status	
Type	Status
WLAN RSSI Level	 Very Good
BSSID of the Access Point	06:FF:E9:BD:55:3E
MAC ID of the Client Device	D4:CA:6E:90:D0:C1


Figure 2.2 Wi-Fi status is connected

Interface	wlan0		
Mac	D4:CA:6E:90:D0:C1		
IP	172.20.10.4	Subnet	255.255.255.240
Gateway	172.20.10.1	IP Mode	<input type="radio"/> Static <input checked="" type="radio"/> DHCP

Figure 2.3 Wi-Fi connection information

Cellular Network Setting

User need to click **Enable Cellular**, and set the parameters as below.

 Configuration

Information Network Wi-Fi **Cellular** Time & Date Control General Firmware Account

Cellular

Cellular Configuration

Enable Cellular

Device Type EC20-CE(Quectel) ▼

Operator Other ▼

Network Type 4G ▼

APN internet

Dial Number *99#

Authentication

User Name

Password

Figure 2.4 Cellular configuration page

1. Click the **Enable Cellular**, and select to set Cellular network information.
2. Select the **Device Type** of wireless data terminal used, that is, the module name.

Device Type EC20-CE(Quectel) ▼

Operator EC20-CE(Quectel)

EC25-E(Quectel)

3. Select **Operator**

Operator Other ▼

Network Type China Unicom

China Mobile

China Telecom

Other

4. Select **Network type**

Network Type	4G
APN	4G 3G (WCDMA) 3G (TDSCDMA) 3G (CDMA)

5. Enter **APN** and **Dial Number**
6. Enable/Disable **Authentication**, and enter **User Name** and **Password**

Cellular Network Information

- **Dashboard**

Interface	ppp0		
IP	10.98.1.36	Subnet	255.255.255.255
Gateway	10.64.64.64	IP Mode	<input type="radio"/> Static <input checked="" type="radio"/> DHCP
Go to Configuration			

Figure 2.5 Cellular connection dashboard

Interface	ppp0	Priority	2
IP	10.98.1.36	Subnet	255.255.255.255
Gateway	10.64.64.64	IP Mode	<input type="radio"/> Static <input checked="" type="radio"/> DHCP

Figure 2.6 Network Configuration for Cellular connection