

Advantech ENPD product FAQ

A. How to set & clear APN in Linux system for ENPD LTE model

Applicable model list	FWA-1010VCR-8CA2S, FWA-1012VCR-4CA1S, FWA-1012VCR-8CA1S, Or other support LTE model.
Model name version	N/A
BIOS Version	N/A

Description

To set APN info is the must to connect to local ISP network. User needs to perform following steps to set APN info into the SIM card when 1st time installed.

1. Each ISP has their specific APN setting. Please confirm the APN setting from your ISP or please check the it on https://wiki.apnchanger.org/Main_Page. The following table is just the examples for your reference.

ISP	APN
Chunghwa Telecom(TW)	Internet
Verizon (US)	Vzwinternet
China Mobile (CN)	Cmnet

2. The first wireless module communication port of ENPD product is devUSB2. Please following segment to set APN in wireless module, and this step is writing APN in wireless module's first row

```
# chat -V -s -t 1 ' ' 'AT+CGDCONT=1, "IP", "APN_name" 'OK' ' ' > /dev/ttyUSB2 < /dev/ttyUSB2;  
echo
```

Example: when user installs Chunghwa Telecom(TW) SIM in FWA-1010VC, user needs key in APN:internet to save in LTE module,

```
# chat -V -s -t 1 ' ' 'AT+CGDCONT=1, "IP", "internet" 'OK' ' ' > /dev/ttyUSB2 < /dev/ttyUSB2;  
echo
```

3. When user needs to clear APN from LTE module, please refer following segment to key-in APN clear command

```
# chat -V -s -t 1 ' ' 'AT+CGDCONT=1, "IP", "" 'OK' ' ' > /dev/ttyUSB2 < /dev/ttyUSB2; echo
```

B. How to unlock SIM PIN in Linux system for ENPD LTE model

Applicable model list	FWA-1010VCR-8CA2S, FWA-1012VCR-4CA1S, FWA-1012VCR-8CA1S, Or other support LTE model.
Model name version	N/A
BIOS Version	N/A
Description	<p>Please refer following segment to unlock SIM if installing SIM card has to set PIN code (ex: 0000), <u>user needs to perform following steps to unlock SIM pin once time at each boot up in OS,</u></p> <ol style="list-style-type: none">1. Please following segment to unlock SIM pin <pre># chat -V -s -t 1 '' 'AT+CPIN=PIN Code' 'OK' '' > /dev/ttyUSB2 < /dev/ttyUSB2; echo</pre>2. Example: when user installs SIM's PIN code:0000 in FWA-1010VC, user needs key in 0000 to inlock SIM. <pre># chat -V -s -t 1 '' 'AT+CPIN=0000' 'OK' '' > /dev/ttyUSB2 < /dev/ttyUSB2; echo</pre>3. Please key-in following command to check SIM unlocked or not, when it feedbacks "+CPIN: READY", it means success to unlock SIM. <pre># chat -V -s -t 1 '' 'AT+CPIN?' 'OK' '' > /dev/ttyUSB2 < /dev/ttyUSB2; echo</pre>