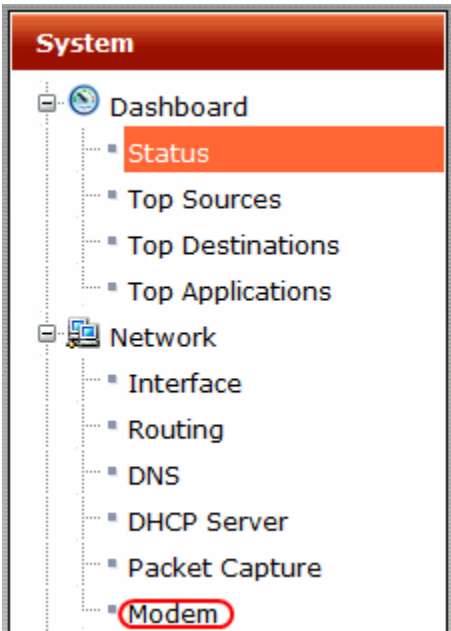????????????:

System Information		
Host Name	FWF60C3G [Change]	
Serial Number	FWF60C3G	
Operation Mode	NAT [Change]	
HA Status	Standalone [Configure]	
System Time	Thu Oct 25 14:58:40 2012 (3.tw.pool.ntp.org) [Change]	
Firmware Version	v5.0,build0120 (Interim) [Update] [Details]	
System Configuration	[Backup] [Restore] [Revisions]	
Current Administrator	admin [Change Password] /2 in Total [Details]	
Uptime	0 day(s) 0 hour(s) 23 min(s)	

??modem????????, ????CLI???modem??.

```
FWF60C3G11012569 # config sys mod

FWF60C3G11012569 (modem) # set status enable

FWF60C3G11012569 (modem) # end

FWF60C3G11012569 #
```

?????, ??FGT?web-based manager??GUI????. ?System>Network???????Modem??.

System
- Dashboard
  - Status
  - Top Sources
  - Top Destinations
  - Top Applications
- Network
  - Interface
  - Routing
  - DNS
  - DHCP Server
  - Packet Capture
  - Modem

??????????3G USB modem??, ??????????????:

☑ Enable Modem

General Settings

Primary Modem	External Modem ▼	**Dial Now**
Mode	◉ Standalone ◯ Redundant	
Dial Mode	◯ Dial on demand ◉ Always Connect	

External Modem

Status	↻ Inactive
Modem	[Configure Modem]
Phone Number	*99#
User Name	
Password	

?????, ????FGT?database?, ???????3G USB modem???????, ??[Configure Modem]???????????.

⊕ Create New	✎ Edit	🗑 Delete	↻ Update Now
☐	**Vendor**		
▼ **Custom**			
▼ **Supported (v1.014)**			
	AirPrime		
	Alcatel		
	Audiovox		
	Cmotech		
	Dell		
	Emobile		
	Emobile		
	Huawei		
	Huawei		
	Huawei		
	Huawei		

???????????, Vendor ID?Product ID. ???Telit UM20???.

Vendor	Telit	
Model	UM20	
Vendor ID	0x1bc7	(Hex)
Product ID	0x1002	(Hex)
Init String		

?????????????ID??(bug?!), ??????CLI????:

```
Config system 3g-modem custom
    edit 1
        set vendor "Telit"
        set model "UM20"
        set vendor-id 1bc7
        set product-id 1002
    next
end
```

??????, ????20~50???, ??????System>Network>Modem??, ??????????.

External Modem

Status	○ Inactive
Modem	Telit - UM20 [Configure Modem]
Phone Number	*99#
User Name	
Password	

?????????????, ???????reboot???????????FGT???3G USB modem??. ??????, ??????CLI??????:

```
FWF60C3G11012569 # diag sys mod detect
modem is attached.
```

????, ??????????.

??System>Network>Modem, ?????????, ??????, ????(Apply). ???3G??????, ?????????:

Phone Number	*99#
User Name	
Password	

*99#??????????, ?????????. ????????????????, ????(??????).

???????, ???3G??????????, ????????????, ??????AT Command. ??, ???????CLI??:

```
FWF60C3G11012569 # diag sys mod cmd
<at>    AT command for modem
```

?cmd????????AT Command????, ???????AT????????:

```
FWF60C3G11012569 # diag sys mod cmd at+cgdcont=1
at+cgdcont=1
OK
```

???????OK, ????????AT?????3G???????; ??, ???ERROR, ??????PIN??SIM????, ?????AT????????, ????????????
PIN?(?????????, ???????):

```
FWF60C3G11012569 # diag sys mod cmd at+cpin=\"0000\"
```

??OK???????, ?????????AT???????, ??????. ?????????.

??????????CLI??, ??????AT?????FGT?modem????:

```
at+cpin=\"0000\"
at+cgdcont=1,\"ip\",\"internet\"
```

??CLI????AT??, ?????:

```
Config system modem
    set status enable
    set pin-init "0000"
    set phone1 "*99#"
    set extra-init1 "at+cgdcont=1,\"ip\",\"internet\""
end
```

pin-init??????????at+cpin??, ???????, ????PIN???.

??get??????????, ?????(??????):

```
FWF60C3G11012569 (modem) # get
status            : enable
pin-init          : 0000
mode              : standalone
auto-dial         : disable
dial-on-demand    : disable
idle-timer        : 5
redial            : none
holddown-timer    : 60
connect-timeout   : 90
wireless-port     : 0
phone1            : *99#
```

??, wireless-port??????ttyusb0???, ????????????. pin-init??????????????, ????reboot???, ??????!

reboot?????, ????System>Network>Modem, ??Dial Now????????, ?????:

☑ Enable Modem

General Settings

Primary Modem   External Modem ▼   **Dial Now**

Mode   ◉ Standalone   ○ Redundant

Dial Mode   ○ Dial on demand   ◉ Always Connect

External Modem

Status   🔶 Inactive

Modem   Telit - UM20 [Configure Modem]

Phone Number   *99#

User Name

Password

??????, ???????, ?????:

?Connecting????, ????Hang Up???????, ????, ??20~30???, ????System>Network>Modem????????????, ??????
??????:

Connected???????, ??3G??????????, ?????????????, ????CLI????????(??FGT????????????3G??).

??????3G?????????????????, ???????, ?????????????.

???????, ??System>Network>Interface?????Modem??????IP??.

??????????, ???????3G???FGT?????.
Notes: Dial Now???CLI??????: exe mod dial ; ??(Hang Up)??exe mod hangup