



Configuring a WWAN/Cellular Interface

Version: 3549

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Router Installation and Configuration Manual/Configuring a WWAN/Cellular Interface

This chapter describes how to configure the ImageStream router WWAN/Cellular interfaces and includes the following topics:

- ◇ Provider Setup
- ◇ Connection Mode
- ◇ QXDM Diagnostics Mode
- ◇ Cellular Statistics/Monitoring
- ◇ SNMP 3G MIB
- ◇ Advanced Options

The 3G Configuration Menu is located at Main Menu -> Configuration Menu -> Network Interface configuration -> 3G Cellular Interface Configuration

Configuration menu

1. AAA (Password) Configuration
2. Global configuration
- 3. Network interface configuration**
4. Firewall and QOS configuration
5. Service configuration
6. Dynamic routing configuration
7. Save configuration to flash
0. ISis-Router main menu

Network Interface Configuration

-
1. Inetics Network interface configuration
 - 2. 3G Cellular Interface Configuration**
 0. Network Interface Configuration

Current 3G Configuration and Status:

Carrier: AT&T (MCC 310, MNC 410)
APN: wap.cingular
Mobile number: 12105551212
State: Registered
Power Mode: Online (default)
Radio Service type: UMTS
Radio information (UMTS): Band Class: WCDMA PCS 1900, Channel: 587
Data Bearer Technology: WCDMA
Data session: Connected
Connected since Tue May 28 14:05:35 2013
Network: Home
Signal quality: 20/31 (64%)
Signal strength (UMTS): -73dBm, bars: XXXX
Maximum Connection Rate Rx/Tx: 384/384 Kbps
Session Statistics: Bytes Tx: 2304, Rx: 1224

- 1...Configure a new mobile provider
- 2...Set connection mode
- 3...Enable QXDM Diagnostics Mode (DM)
- 0...Exit

Please select an option:

Provider Setup

The cellular modem must be configured for the proper provider before it is connected to the mobile network.

Please select an option: 1

- 1...Verizon
- 2...AT&T
- 3...Sprint
- 4...T-Mobile
- 5...TELCEL
- 6...Movistar
- 7...Iusacell
- 8...Tigo Colombia
- 9...Movistar Colombia
- 10...Comcel
- 11...Vodafone
- 12...Telefonica
- 13...Telecom Italia
- 14...Orange
- 99...Other GSM/UMTS Provider
- 0...Exit

Please select an option: 2

Configuring 3G cellular modem for AT&T
Hit <enter> to select the default setting

Force 2G/3G? y/n [n]:
Automatic Registration (recommended) y/n [y]:
Firmware ID [2]:
APN [wap.cingular]:
Username []:
Password []:

Firmware: 2
APN: wap.cingular
Username:
Password:
Is this correct? (Y/n/q):
Shutting down 3G interface...
Reloading sand...done.
done.
Firmware 2 loaded.
Resetting device.....
Restarting 3G interface...
Reloading sand...done.
done.

The setup wizard will present proper default values for each provider. Normally all that is required is to hit enter for each prompt.

Connection Mode

```
Connection mode:
1...Backup link (failover)
2...Primary link (always on)
0...Exit
```

Advanced Options

To force the router to reboot upon receipt of a special code via SMS message, use the **reboot-code** command on the WWAN interface:

```
interface WWAN0
description 3G Cellular Connection
ip address dhcp metric 10
reboot-code scott-reboot
!
```

The router will reboot if it receives "scott-reboot" in any part of an SMS message.

