



APPLICATION NOTE

Telular SX7T For Voice and Data Applications



Wi PATH™ SX7T Terminal and SX7M Modem

TELULAR SX7T

SX7T MODEM FOR VOICE AND DATA APPLICATIONS

APPLICATION NOTE



ISO 9001:2000

Prepared by:
Integrated Systems Division
The Sutron Corporation



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1. Introduction

The SX7T Voice/Fax/Data Terminal and the SX7M Modem each provide high-speed wireless WAN connectivity, taking advantage of your current GSM wireless services to deliver the best performance available, including HSDPA, UMTS, EDGE, and GPRS service. The SX7 adapts to changing locations and service availability and always uses the best possible data connections available through your wireless service provider. In addition to providing a reliable data connection, the SX7T HSDPA terminal version offers voice and fax options that you can use simultaneously with your wireless data services (network dependent).

Features:

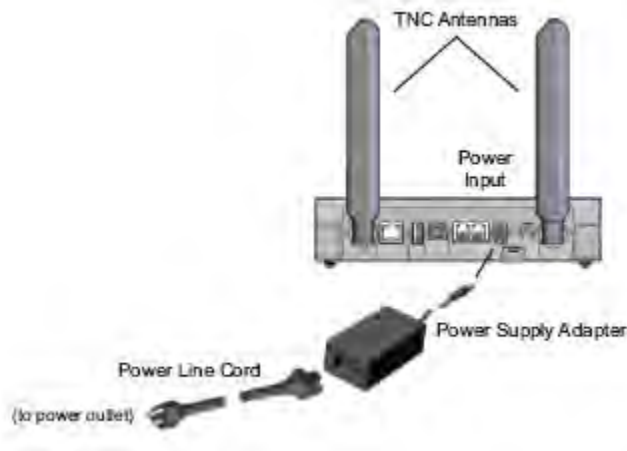
- Access Data logger in voice mode (through Sutron Voice Modem 8080-0005-1B)
- Access Data from data logger in Data Mode (through Ethernet Port of Data Logger)



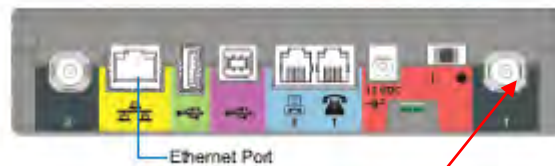


2. Programming of the Modem and Data Logger

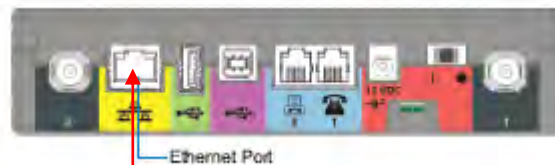
1. Power up the modem



2. Connect antennas, phone cable and Ethernet cable between the modem and data logger



Connect Antennas here (Antenna 1)



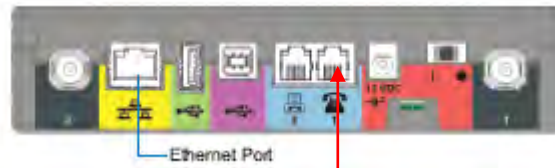
Connect Ethernet cable between Data Logger and Modem





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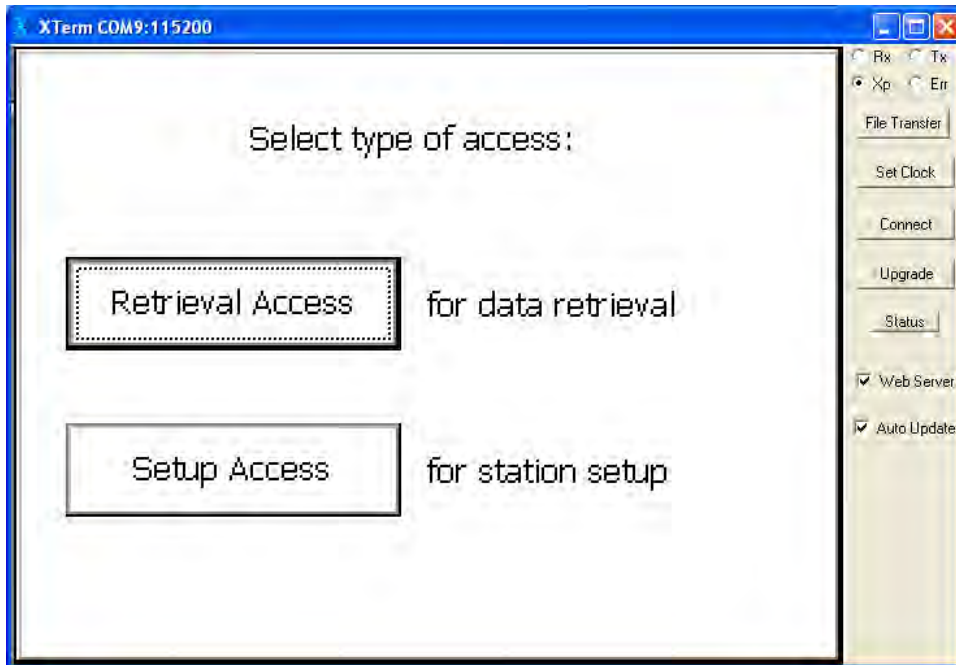


Connect phone cable between Modem and Sutron Voice Modem 8080-0005-1B



3. Setup IP Address in XLite 9210 Data Logger

Click on SETUP Access

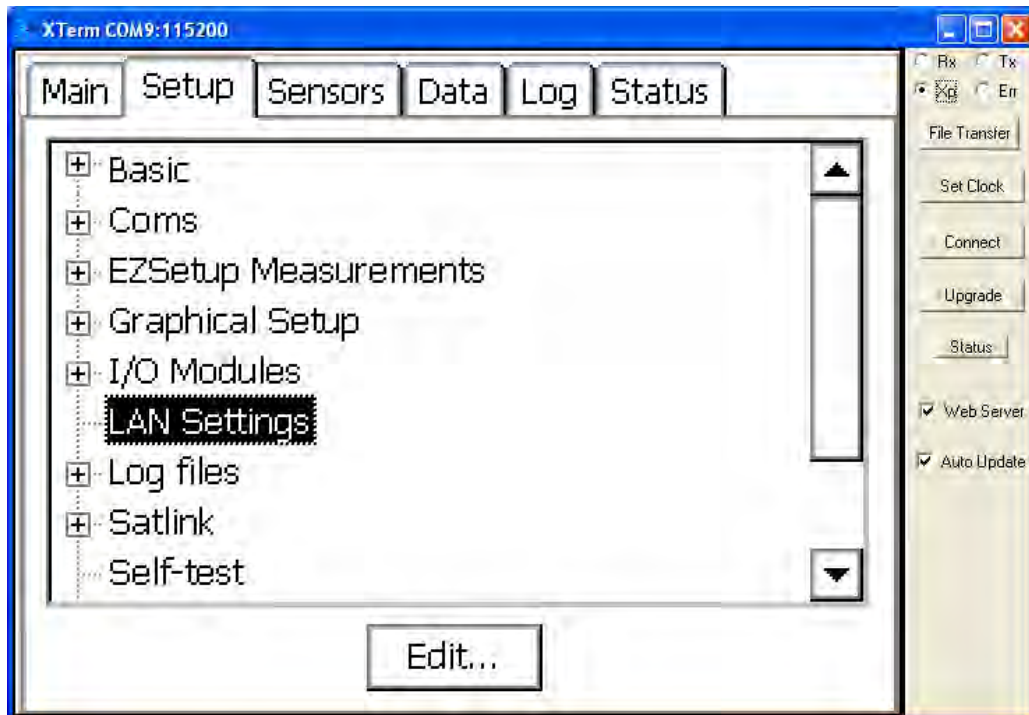




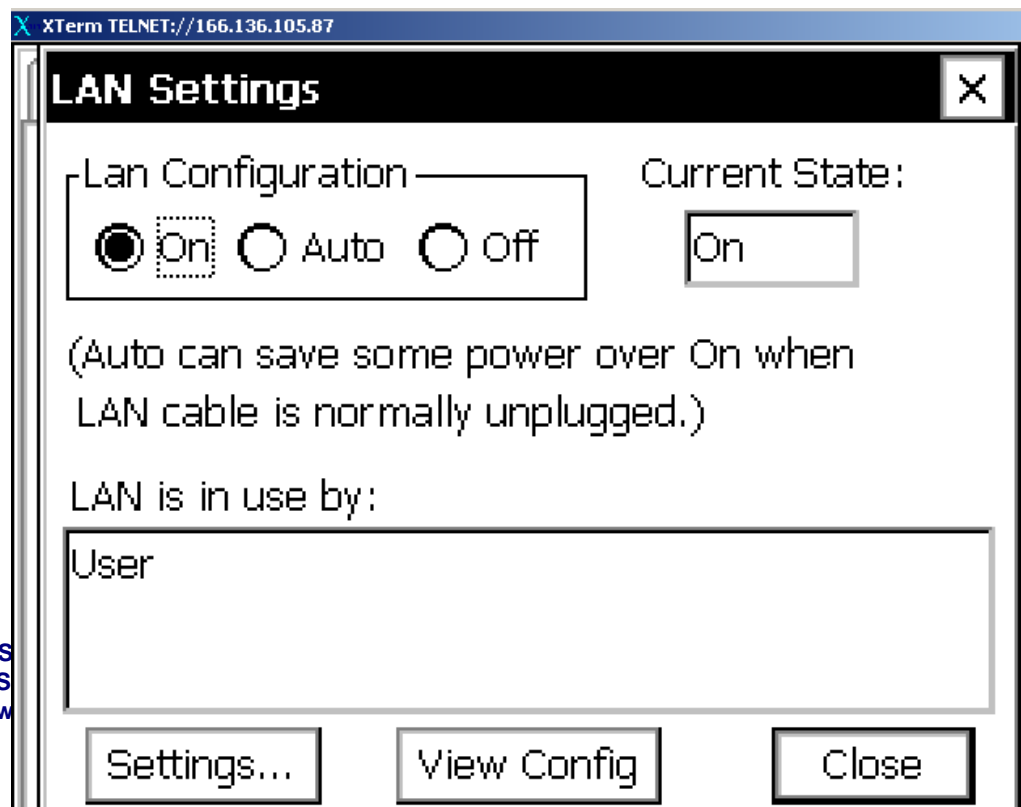
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Click on LAN Settings edit button



Click Lan Configuration On and click on Settings

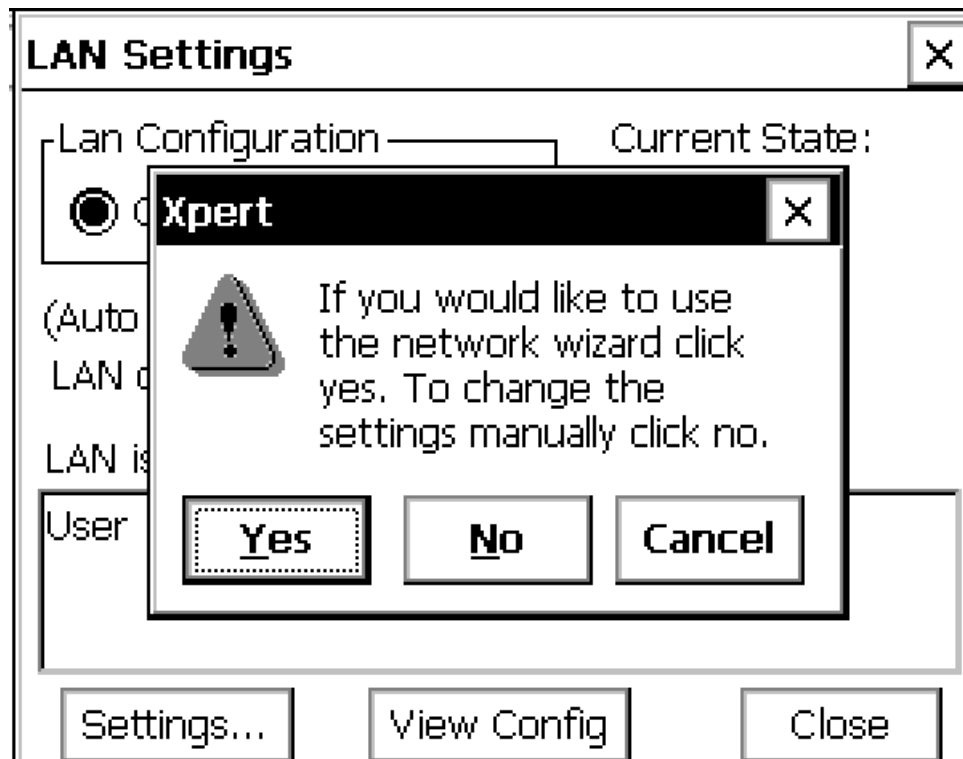




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Click on YES



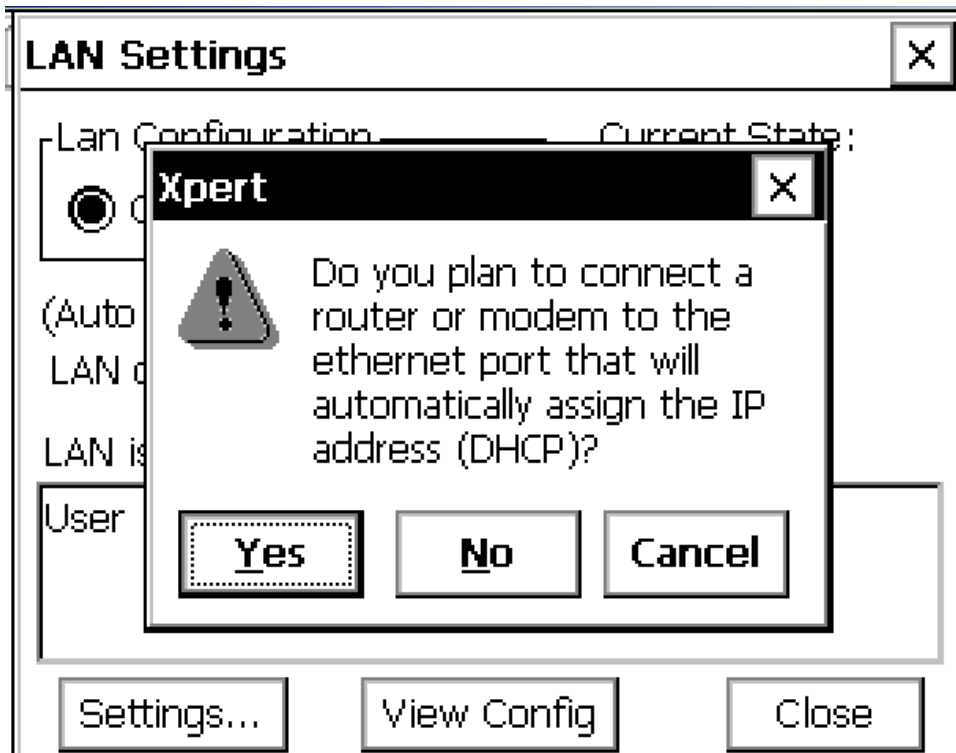
Click on YES





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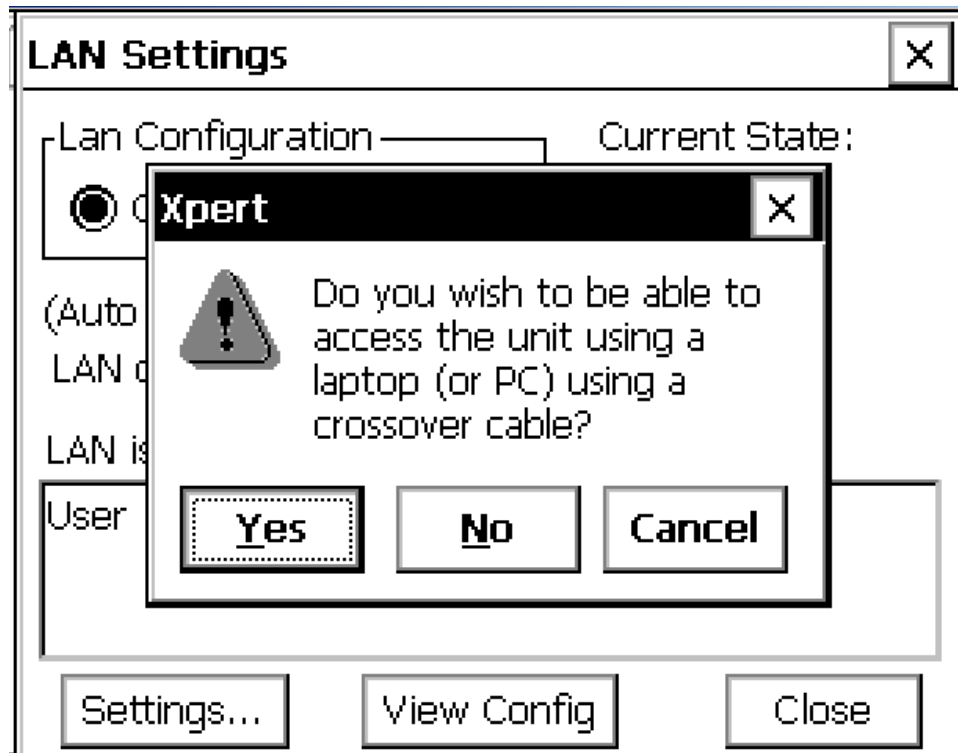
Click on NO



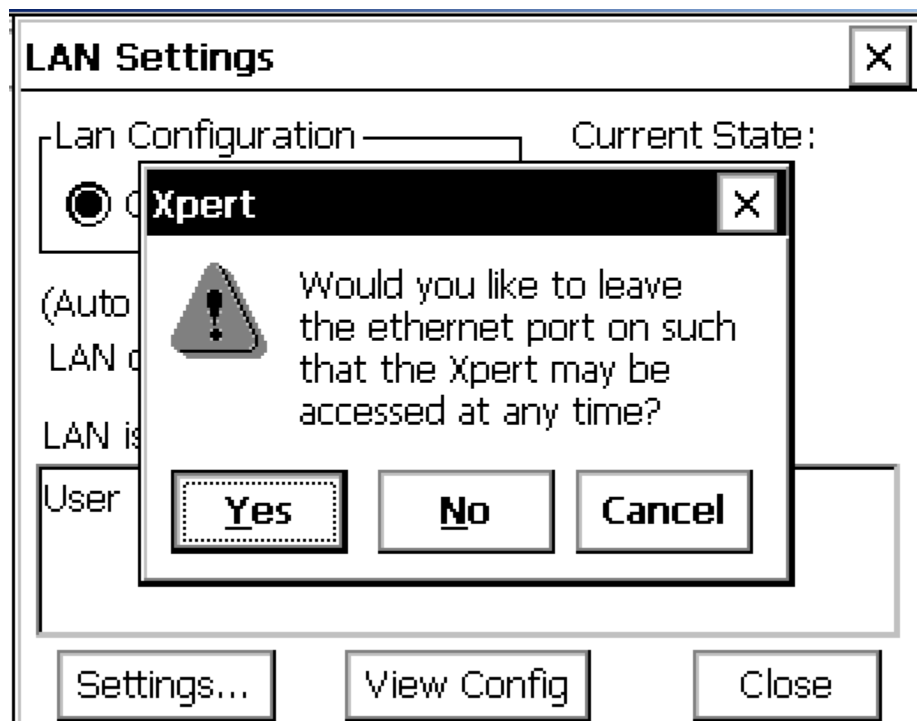


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Click on YES

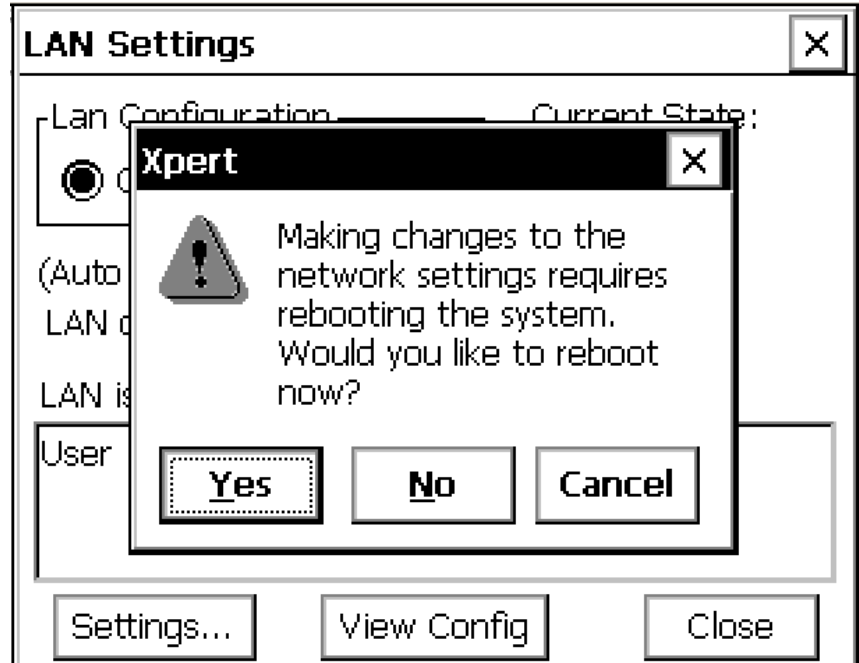




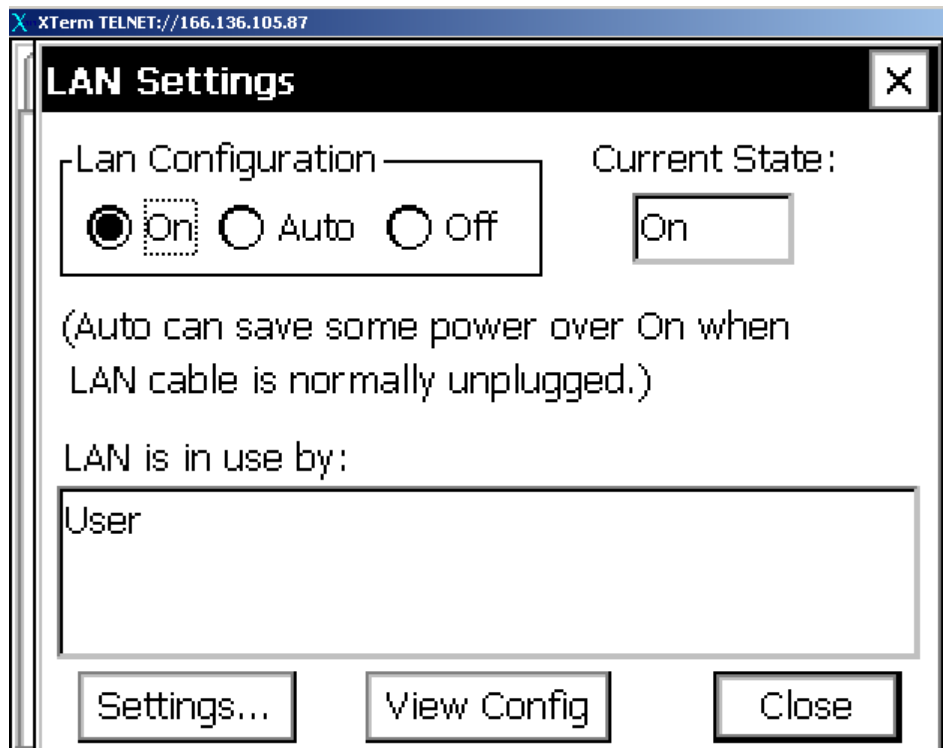
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Click on YES



Click on VIEW CONFIG

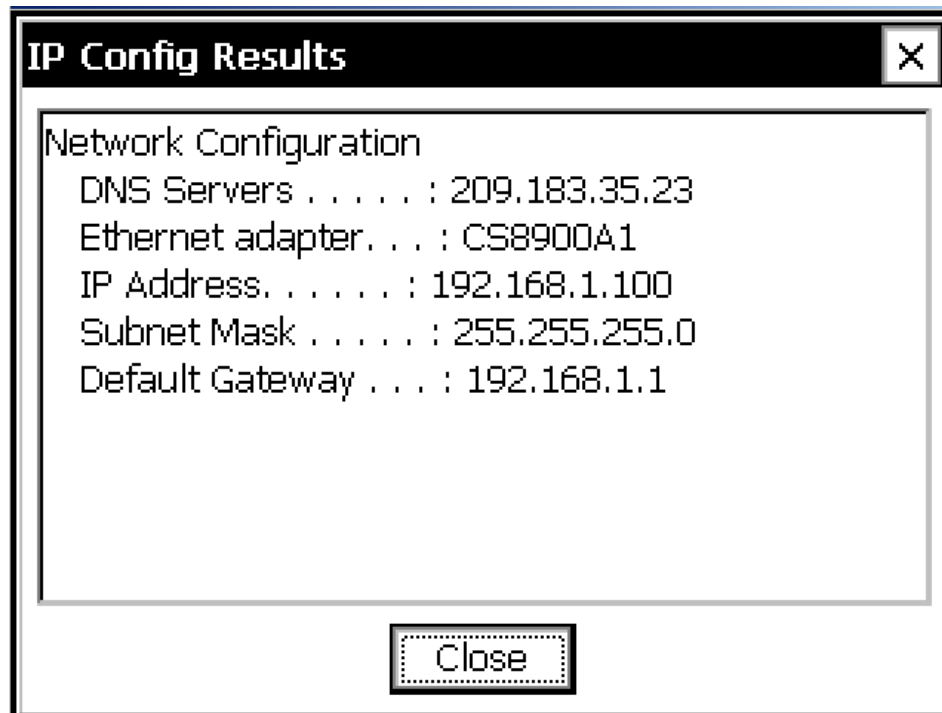




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Note down IP ADDRESS (192.168.1.100), you will need this to setup the Telular Modem



4. Setup IP Address and Port Forwarding in Telular Modem.

Open browse and type IP address of Modem.

Username: telular

Password: 1234

Port Forwarding:

1. Click on 'Network' (left menu)
2. Click on 'Firewall/Filters' (top menu)
3. Set 'Firewall (SPI)' to 'Disable'
4. Click on 'Save'





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5. Click on 'Port Forwarding' (top menu)

6. First line

a. Enter a descriptive application name for the HTTP port in the 'Application Name' field

NOTES: This has no bearing on the application but makes it easy for you to reference later. You can setup only HTTP or HTTPS but this note, we will setup both.

b. Enter port number **52732** to **52734**
then 23 to 23 (as seen below)

c. Check 'Protocol TCP' and/or 'Protocol UDP'

d. Enter the last Octet of the Equipment in the 'IP Address' field

e. Check 'Enable'

You will have to click RESTART to load the new setup in the modem.





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NETWORK

- Routing
- Firewall/Filters
- Port Forwarding
- DMZ
- Ping

- Home
- Setup
- Network
- Administration
- Status
- PSTN

NETWORK > PORT FORWARDING

Application Name	Ext. Port	Protocol TCP	Protocol UDP	IP Address	Enable
Xpertcon	52732 to 52734	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.1.100	<input checked="" type="checkbox"/>
Telnet	23 to 23	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.1.100	<input checked="" type="checkbox"/>
	0 to 0	<input type="checkbox"/>	<input type="checkbox"/>	192.168.1.0	<input type="checkbox"/>
	0 to 0	<input type="checkbox"/>	<input type="checkbox"/>	192.168.1.0	<input type="checkbox"/>
	0 to 0	<input type="checkbox"/>	<input type="checkbox"/>	192.168.1.0	<input type="checkbox"/>
	0 to 0	<input type="checkbox"/>	<input type="checkbox"/>	192.168.1.0	<input type="checkbox"/>
	0 to 0	<input type="checkbox"/>	<input type="checkbox"/>	192.168.1.0	<input type="checkbox"/>
	0 to 0	<input type="checkbox"/>	<input type="checkbox"/>	192.168.1.0	<input type="checkbox"/>
	0 to 0	<input type="checkbox"/>	<input type="checkbox"/>	192.168.1.0	<input type="checkbox"/>
	0 to 0	<input type="checkbox"/>	<input type="checkbox"/>	192.168.1.0	<input type="checkbox"/>

Save Cancel

NOW YOU CAN USE XTERM TO CONNECT TO THE LOGGER USING THE IP MODEM OF THE TELULAR MODEM (NOT OF THE 9210). YOU CAN ALSO CALL INTO THE STATION USING THE PHONE NUMBER OF THE MODEM.

