PPP Connection for CDMA864D Demonstration Guide





Bulletin	JA06-DM-PPP
Revision	00
Date	25 May 2011

Utilizing the CDMA864D Mini Breakout Board and Creating a PPP Connection

1. Confirm that you have the following items and that your Terminus CDMA864D has been correctly provisioned.

- Terminus CDMA864D with available power supply and antenna
- CDMA864D mini breakout board
- USB cable with USB A to mini USB B termination

With the CDMA864D, a PPP connection can only be made through the available USB. It cannot be done through the UART. The mini breakout board allows easy access to the required connection.

2. Attach the mini breakout board to the Terminus CDMA864D until it's flush with the bottom of the terminal. Once in place, power up your Terminus and plug the USB cable into the mini USB connector (labeled P3).





Utilizing the CDMA864D Mini Breakout Board and Creating a PPP Connection continued

3. Verify that you now have 3 virtual COM ports available and 1 new modem.

Virtual COM Ports:

- Telit Auxiliary Port
- Telit Diagnostics Interface
- Telit NMEA Port

Modem

Telit CDMA USB Modem

🚇 Device Manager	
Eile Action View Help	
$\leftarrow \rightarrow \square \implies \textcircled{3} \square \implies \textcircled{3}$	
🕀 🛫 Disk drives	
🗄 🕀 💆 Display adapters	
DVD/CD-ROM drives	
🗉 🗃 IDE ATA/ATAPI controllers	
I Energy Keyboards	
I I I I I I I I I I I I I I I I I I I	
E Modems	
Standard 56000 bps Modem	
Telit CDMA USB Modem	
Here and the second sec	
NVIDIA Network Bus Enumerator	
Ports (COM & LPT)	
Communications Port (COM1) Table Auxiliants Part (COM1)	
Telit Disepseties Interface (COME)	
Telit Nimes Berth (COMID)	
English Frocessors	
E System devices	
	-

If these do not become available, or you see an error message, you need to install the USB drivers. Please refer to http://www.janus-rc.com/terminuscdma864d.html for the proper drivers before continuing.

4. Open RealTerm or Hyperterminal and plug in the CDMA864D. Access the Telit Auxiliary Port via USB or use the DB9 serial connection. If already provisioned correctly, issue AT+CREG? until a response of 1 is received. Alternatively, the Status LED may be monitored until a slow blink is achieved. Please refer to the CDMA864D User Manual for further descriptions of the Status LED indications.



Utilizing the CDMA864D Mini Breakout Board and Creating a PPP Connection continued

5. Once registered, create a new dial up connection to the internet utilizing the "Telit CDMA USB Modem," and use the phone number "#777" which will allow a data connection.

🖕 CDMA USB Modem Properties 🛛 🔹 🔀		
General Options Security Networking Advanced		
Connec <u>t</u> using:		
Modem - Telit CDMA USB Modem (COM12) Modem - Standard 56000 bps Modem (COM1)		
All devices call the same numbers		
Phone number		
Area code: Phone number: Image: The state of the st		
Country/region code:		
Use dialing rules Dialing Rules		
Sho <u>w</u> icon in notification area when connected		
OK Cancel		



Utilizing the CDMA864D Mini Breakout Board and Creating a PPP Connection continued

6. Right click on the newly created connection and click "Connect," which will bring up the option for a user name and password. Unless your terminal calls for it, leave the user name and password blank.

Connect CDMA USB Modem
User name: Password: [To change the saved password, click here]
 Save this user name and password for the following users: Me only Anyone who uses this computer
Djal: #777 💌
<u>D</u> ial Cancel Pr <u>o</u> perties <u>H</u> elp



Utilizing the CDMA864D Mini Breakout Board and Creating a PPP Connection continued

7. Once successfully connected, you will see an indicator in the lower right side of the screen as well as an indication of "CONNECT" in the terminal window. Once this is completed, you can test the connection via internet explorer.



🔁 RealTerm: Serial Capture Program 2.0.0.57			
CRLFCR OK CRLFCRLF			
CONNECT URLF			
	_		
Display Port Capture Pins Send Echo Port 12C 12C-2	I2CMise Mise	7	n Clear Freeze
Raud 115200 Rest 11 Rest St			Status
Software	Flow Control		RXD (2)
Parity Data Bits Stop Bits None 8 bits 1 bit 2 bits	e Xon Char: 17		TXD (3)
C Odd C 7 bits Hardware Flow Control	nit Xoff Char: 19		DCD (1)
Mark 6 bits 6 None 6 RTS/CTS	Winsock is:		DSR (6)
	 Haw Telnet 		BREAK
			Error
	Char Count:40	CPS:0	Port: 11 115200 8N1 None //



Utilizing the CDMA864D Mini Breakout Board and Creating a PPP Connection continued

8. When disconnecting, you will receive an indication "#DREL" in the terminal window, signaling that the terminal has released the connection.

🚘 RealTerm: Serial Capture Program 2.0.0.57			
CRLFCR OKCRLFCRLF			
CONNECT CRLFCRLF			
NO CARRIER ^{CRLFCRLF}			
#DREL CRLF			
	•		
Display Port Capture Pins Send Echo Port 12C 12C-	2 I2CMisc Misc	7	n <u>Clear</u> Freeze
Baud 11 Open S Parity Data Bits Stop Bits Software Image: None Image: Bits Image: Distance Software Image: Odd Image: Bits Image: Distance Software Image: Odd Image: Distance Image: Distance Software Image: Odd Image: Distance Image: Distance Image: Distance Image: Odd Image: Distance Image: Distance Image: Distance Image: Distance Image: Odd Image: Distance Im	Py Change Change Flow Control ive Xon Char: 17 mit Xoff Char: 19 Winsock is: Raw Telnet		Status Disconnect RXD (2) TXD (3) CTS (8) DCD (1) DSR (6) Ring (9) BREAK Error
You can use ActiveX automation to control me!	Char Count:86	CPS:0	Port: 11 115200 8N1 None //



PPT Connection for CDMA864D Demonstration Guide



Revision History		
Revision	Revision Date	Note
00	05/25/11	Released to Public



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