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SocketModem® Shield

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Quick Start

SocketModem[®] Shield





Required Accessories

SocketModem

additional information about your SocketModem options. SocketModems. Refer to www.multitech.com or your distributor for The SocketModem Shield works with the following MultiTech

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	2G-CDMA	MTSMC-C2-N16-xxx
sin9A\2U	3G-CDMA	MTSMC-EV3-N16-xxx
	2G-CDMA	MTSMC-C2-N3-XXX
nozineV\2U	3G-CDMA	MTSMC-EV3-N3-XXX
	76-GSM	MTSMC-G3-xxx
ledolĐ	3G-GSM	MTSMC-H5-xxx
Region/Carrier	Technology	SocketModem

Cellular Service

vides data and, depending on your application needs, SMS support. To operate your SocketModem, you need a cellular plan that pro-

Shield Compatible Development Board

.ewobniW have development environments such as C, C++, Linux OS, C#, and You need a Shield compatible development board. These boards

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about our full line of products and services. and deploy a cellular solution, contact Multi-Tech Sales to learn of bringing a cellular solution to market. When you want to design product design, are often the quickest and most cost-effective way are not just great for development, but when used as part of favorite rapid prototyping platform. Multi-Tech's SocketModems portfolio of fully approved embedded cellular products to your The SocketModem Shield brings Multi-Tech's industry leading

Programming Information

formand Set

Windows. AT Command Reference Guides are available at: environments, such as Arduino, netmf, Linux, and Commands allow for easy integration with all major development Program SocketModems with AT Commands over USB or Serial. AT

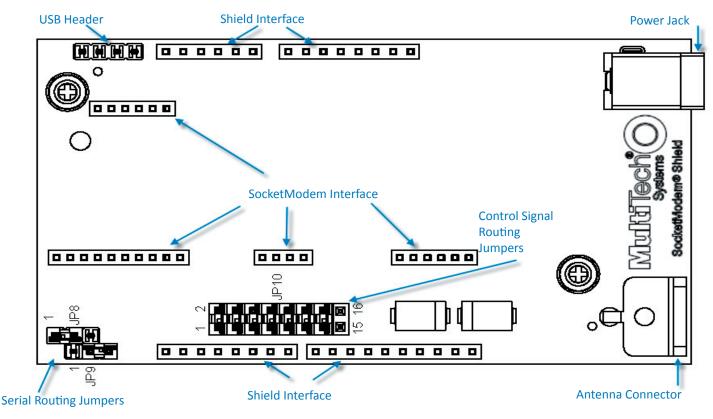
www.multitech.com/support.go

mbed Library

-blaid2 http://mbed.org/components/Multi-Tech-SocketModem-Arduinoprogramming examples, visit our developer page at: development in this environment. For more information and We support an ARM mbed compatible library for easier

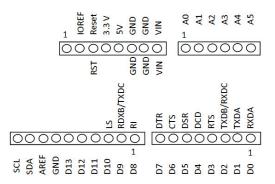
Communications > Multi-Tech SocketModem Arduino Shield. Or go to http://mbed.org and select Components >

Product Features



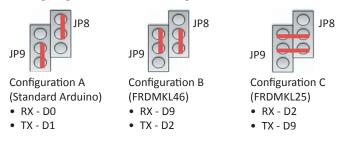
Signal Routing

The diagram below shows SocketModem signal routing to the Shield interface based on different jumper settings for JP8, JP9, and JP10. For more information on these jumpers, refer to *Serial Routing Jumper Configuration* and *Jumper Routing Information*. Additionally, use jumper wires to reroute SocketModem signals to other pins.

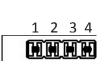


Serial Routing Jumper Configuration

Use these jumper settings to connect modem RX and TX signals to common Shield interface positions. Refer to *Signal Routing* for the routing diagram for different configurations.



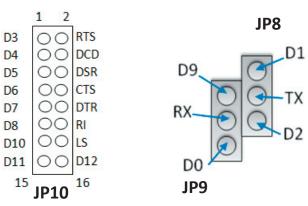
USB Header Information



Pin 1 - VUSB Pin 2 - USB DM Pin 3 - USB DP Pin 4 - Ground **Note:** VUSB is voltage detection only, the device can't be powered through this pin.

Jumper Routing Information

Use these jumpers to optionally connect or disconnect modem signals to the Shield interface. Refer to *Signal Routing* for a routing diagram. If the default routing options do not work with your application, use wire jumpers to reroute these signals.



• Odd pins from 1-13 are Arduino side of jumper.

- Even pins 2-14 are SocketModem side of jumper.
- Pins 15 and 16 are Arduino pins.