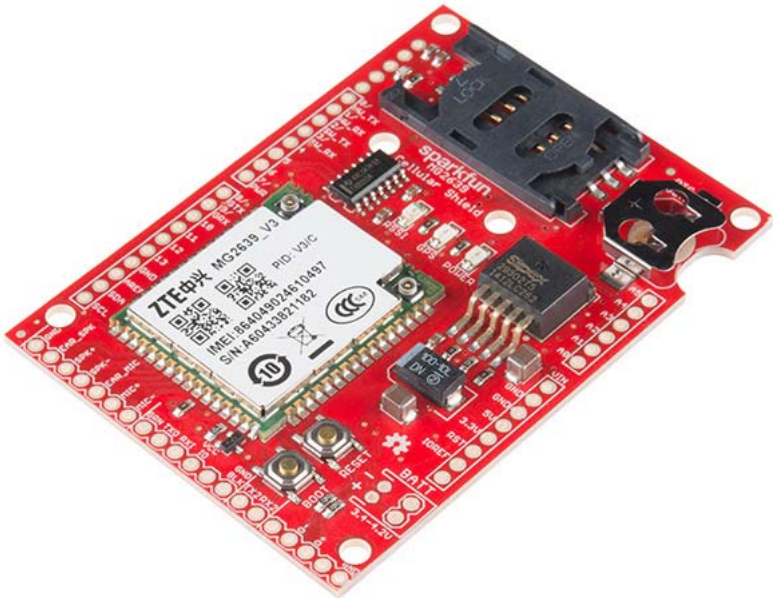


It is that time again! SparkFun Electronics will be closed Friday, January 13th for our annual inventory day. Please keep in mind that any orders placed after 2PM (Mountain Time) on Thursday, January 12th will not ship or be prepared for local pickup until we open for normal operations on Monday, January 16th. In addition, tours will resume on Friday, January 20th. Thank you for your patience!



SparkFun Cellular Shield - MG2639

CEL-13120 ROHS



\$69.95

1	quantity
<input checked="" type="radio"/>	42 in stock
\$69.95	1+ units
\$66.45	10+ units
\$62.96	25+ units
\$59.46	100+ units

Need larger quantities?
Check out our Volume Sales program

3D Download: Sketchup, STL, Blender

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Description: The MG2639 SparkFun Cellular Shield is a perfect addition to any Arduino project that requires connectivity when there's no WiFi or Ethernet access nearby. The ZTE MG2639 module, which this shield is built around, supports SMS, TCP, UDP, and can even be used to make or receive phone calls! That means you can send and receive text messages, or use it to remotely connect your Arduino to the Internet. To top it off, it has an integrated GPS receiver, to help it from getting lost.

All the supporting circuitry is provided including translation from 2.8V of the module to a user selectable 3.3V or 5V. Depending on which state it's in, the MG2639 module can be a relatively power-hungry device with a maximum current draw of the shield is around 350mA. It usually won't pull that much, but may require around 260mA during phone calls or 80mA during network transmissions. Both the cellular and GPS functions of the MG2639 require an external antenna connected to the module. There are two U.FL connectors on the side of the chip – one labeled “GSM” the other “GPS.”

Though the MG2639 is the key part of the SparkFun Cellular Shield one of the hardest parts in getting the shield to work is finding a suitable network and SIM card to run it on. The MG2639 works internationally on any GSM network but you'll need a SIM card. We suggest picking up a prepaid “burner” phone – like a Go phone – and swap the SIM card into the shield.

The Shield Hookup Guide found in the *Documents* section below has plenty of great instructions on how to get your cellular shield working and provides you with example sketches to receive SMS text messages, set up GPRS/TCP functionality, creating a DIY cell phone, and remotely post environment data to our data service running Phant.

Note: The SparkFun Cellular Shield requires a passive GPS antenna with a short lead attached. Unfortunately, we do not carry this type of antenna at this time.

SparkFun Cellular Shield - MG2639




Features:

- Quad-band: GSM850, EGSM900, DCS1800 and PCS1900
- Integrated GPS
- SMS text messages
- GPRS data (TCP, UDP, FTP)
- Voice calls
- Transmit Power:
 - Class 4 (2W) for GSM850
 - Class 1 (1W) for DCS1800
- SIM-card Socket (1.8 & 3.0V)
- Serial-based AT Command Set
- Hook ups for microphone and speaker
- 3.3V/5V to 2.8V I/O level shifting
- u.FL connectors for GPS and cell antennae


Documents:

- Schematic
- Eagle Files
- Hookup Guide
- Datasheet (MG2639)
- User Manual (MG2639)
- AT Command Set
- Dimensional Drawing (SIM Socket)
- GitHub (Design Files & Example Code)
- GitHub (Library)


Recommended Products

PAGE 1 OF 6 



 SPARKFUN RECOMMENDED
SparkFun RedBoard - Programmed with Arduino
🕒 DEV-12757
\$19.95
★★★★☆ 117




 SPARKFUN RECOMMENDED
RockBLOCK Mk2 - Iridium SatComm Module
🕒 WRL-13745
\$249.95
★★★★★ 6



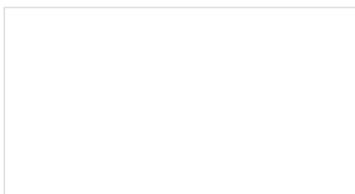
 SPARKFUN RECOMMENDED
Arduino Stackable Header Kit - R3
🕒 PRT-11417
\$1.50
★★★★☆ 12



 SPARKFUN RECOMMENDED
Wall Adapter Power Supply - 9VDC 650mA
🕒 TOL-00298
\$5.95
★★★★★ 6

COMMENTS 31 | REVIEWS 0 | TUTORIALS 1

Related Tutorials



MG2639 Cellular Shield Hookup Guide
MAY 7, 2015

Learn how to equip your Arduino with an MG2639 Cell Shield and use it to send SMS or TCP via GPRS.

