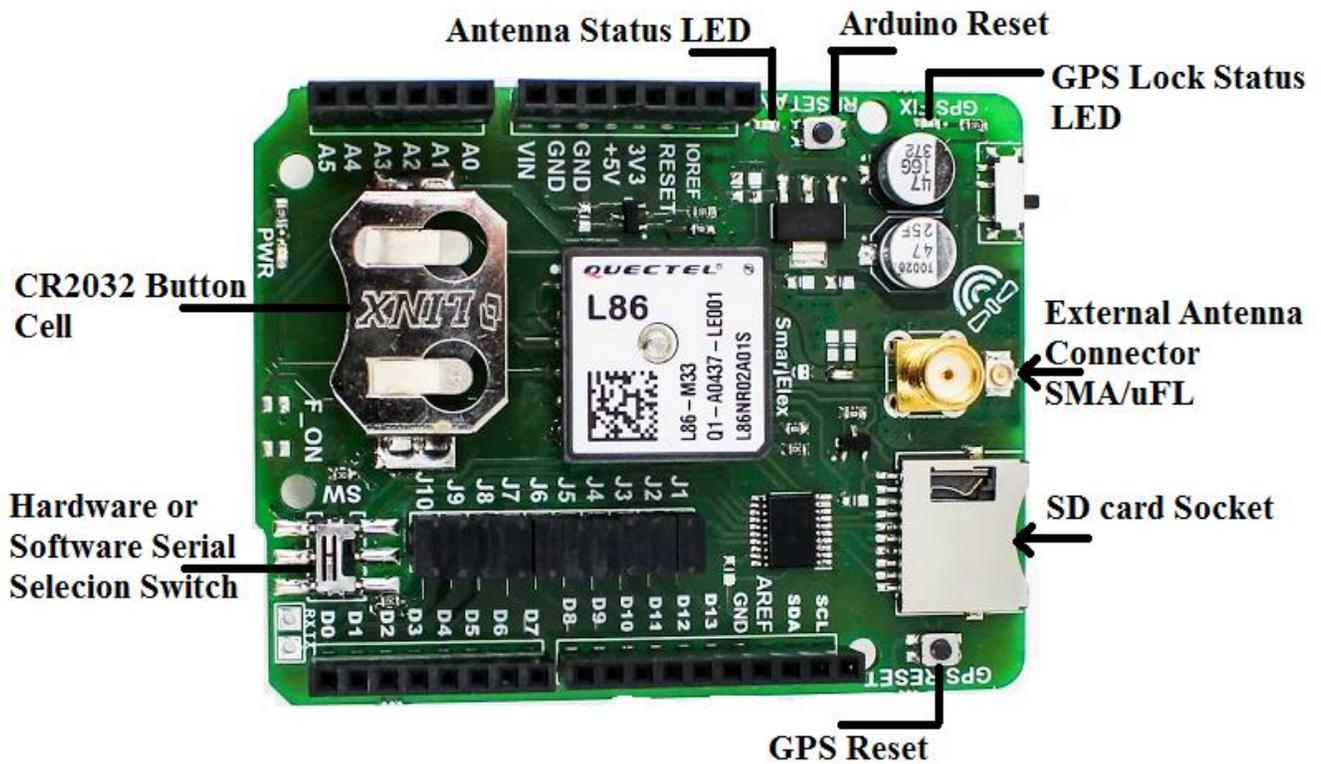


SmartElex GPS Data Logger Shield



This GPS shield works great with either UNO or Leonardo Arduinos and is designed to log data to an SD card. Or you can leave the SD card out and use the GPS for a geocaching project. This shield comes with Quectel L86 Module

If your project is going to be inside an enclosure, you'll love this shield as it has external antenna support. Simply connect an external active GPS antenna via an uFL/SMA cable to the shield and the module will automatically switch over to use the antenna. You can then place the antenna wherever you wish.

Pin Configuration:

Jumper	Pin Name	Arduino Pins
J1	SCK	D13
J2	MISO	D12
J3	MOSI	D11
J4	F_ON	D10
J5	SW_TX	D9
J6	SW_RX	D8
J7	GPS_RST	D7
J8	CS	D4
J9	HW_TX	D1
J10	HW_RX	D0

Features:

1. Multi-GNSS engine for GPS, GLONASS, Galileo and QZSS.
 2. Embedded patch antenna.
 3. Automatic antenna switching function.
 4. High sensitivity: -167dBm @Tracking, -149dBm @Acquisition
 5. 99 acquisition channels, 33 tracking channels
 6. Balloon mode, for high altitude up to 80km
 7. Support DGPS, SBAS (WAAS/EGNOS/MSAS/GAGAN)
 8. Great anti-jamming performance due to multi-tone active interference canceller
 9. Support SDK command developed by Quectel
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Note: In this shield GPS Serial communication pins can be switched between Arduino hardware serial pins D1, D0 and for software serial library D9, D8 by DPDT Switch.