

Q: What differentiates Bravo from Telit's traditional evaluation kit offers?

A: Bravo is a low-cost evaluation kit designed for the rapid prototyping of IoT applications. It includes most building blocks involved in traditional evaluation kits but is more compact and embeds extra components, such as cellular antenna and Bosch smart sensors.

Q: How can I program my IoT application using Bravo?

A: There are three options. The first is AppZone, Telit's Application Development Environment (ADE), which allows you to develop your C-language application to run on the module's application processor. The second is either Arduino or Raspberry Pi. These boards can be mounted directly on Bravo, with the application communicating with the Telit IoT module through the serial port. The third is an external application processor (PC or other board) communicating with the IoT module through USB or serial port.

Q: What do I need to add to Bravo to start building my IoT application?

A: A 5 V DC external power supply or battery pack, a 2G or 4G data-capable SIM card and, if positioning is required, a GNSS antenna. If you're willing to use an application processor (e.g., Arduino or Raspberry Pi), then you need to solder the Berg connectors and plug it in.

Q: How about the cellular antenna?

A: The kit includes a high-performance, wide-band cellular antenna embedded in the PCB. If an external antenna is needed, removing a zero-ohm resistor will switch the RF path to the mounted SMA female receptacle.

Q: How do I use the onboard Bosch smart sensors?

A: We will provide example AppZone applications to show you how to use the onboard Bosch sensors. If using an external processor (e.g., Arduino or Raspberry Pi), use AT commands to read and write on the I2C bus.

Q: How do I power up my Bravo kit?

A: The kit can be powered by connecting Bravo USB port (labeled “USB”) to a powered USB hub or PC. However, a 5 V DC external power supply or battery pack is recommended to power the kit. Please consult Bravo’s HW manual for further details.

Q: Can I use the Bravo kit with my Windows or Linux PC?

A: Yes, of course. Telit provides both Windows and Linux drivers for the ME910 IoT module.

Q: Which module interfaces are exposed on Bravo?

A: The analog-to-digital converter (ADC), Digital Voice Interface (DVI), GNSS antenna, I2C bus, Serial Peripheral Interface (SPI), and universal asynchronous receiver-transmitter (UART) (serial port, direct or through USB to serial converter).

Q: How can I recharge the battery pack connected to Bravo?

A: The onboard power supply doubles as a battery charger. Connect the USB port to a PC, USB battery charger, powered USB hub or connect the power jack J24.

Q: Is Bravo schematic diagram available?

A: Yes. It is available for download along with all other Bravo documentation.

Q: Whom can I ask for any technical questions about Bravo?

A: Please contact Telit Technical Support at:

TS-EMEA@telit.com

TS-AMERICAS@telit.com

TS-APAC@telit.com