Telit

EVB 2.0

Evaluation Kit

Product Description

EVB 2.0 is a next-generation Telit evaluation board for cellular and short-range wireless products. It is designed to allow cost-effective and rapid development of products and solutions based on Telit hardware and software.

This evaluation board includes the main peripherals to quickly leverage Telit modules' full potential:

- Direct current power supply
- Two SIM card holders
- SD memory card socket
- Configurable audio codec
- LEDs and pushbuttons

EVB 2.0 features connectors for easy access to all hardware interfaces (e.g., UART, GPIOs, I2C, JTAG). The board is ready for current consumption measurements, with jumpers allowing the exclusion of external hardware and full access to the relevant pins.

Telit EVB 2.0 is fully compatible with all translation boards (TLBs) available for Telit modules and data cards, from the most compact and power-efficient cellular LPWA module to the ultra-sophisticated 5G data cards.

Evaluation Kit content

- Telit EVB 2.0 board
- 2x USB "A" to "C" cables
- 12 V dc power supply
- Jumper cables kit
- Two wide-band cellular antennas
- GNSS antenna

Key Benefits

- Compatible with TLBs for all current and future Telit cellular and short-range modules and data cards
- Includes all building blocks for module evaluation
- Easy to set up and user-friendly with rational connector and pushbutton layout
- Access to all module interfaces: GPIO, UART, JTAG, etc.
- Multiple-voltage direct current power supply for full compatibility with all cellular voltages, short-range and GNSS modules
- Can be powered either from external 12 V dc source or USB Type-C port
- Two SIM card holders, ideal for dual-SIM modems
- Ready for current consumption measurements; jumpers allow quick configuration to eliminate leakage currents
- SDIO memory card socket
- Onboard USB-to-serial converter for easy UART interfacing with PCs
- Onboard audio codec with auxiliary circuitry: amplifier, oscillator, connector, etc.
- LEDs and pushbuttons for reset, shutdown, emergency shutdown, etc.

AVAILABLE FOR

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**Complete,
Ready-to-Use Access**
to the Internet of Things

IoT Modules   Connectivity Plans   Software & Platforms

EVB 2.0

Product Features

- Built-in, high-current, dual-voltage (3.3 and 3.8 V), direct current power supply, suitable for 4G and 4G high-category modules

- Can be powered either by dedicated direct current connector (external 12 V DC) or USB Type-C port

- User-configurable power supply selector (external 12 V dc, USB Type-C port, etc.)

- Designed for easy current-consumption measurements, with jumpers allowing to quickly exclude ancillary circuits

- Onboard current monitor for quick current measurements without external test equipment

- Two SIM interfaces with separate 2FF SIM card holders

- SDIO interface support with SD card socket

- USB to serial converter for easy module UART port access

- JTAG connector

- Built-in audio codec for modules supporting digital audio

- Audio ancillary circuits: reference clock and audio amplifier

- Configurable audio connector, suitable for digital and analog audio applications

- Support of USB 3.1 interface with onboard USB-C connectors

- Pushbuttons for On-Off, Reset, Shutdown, Forced USB boot, etc.

- LEDs to monitor power and audio status and different module states

- Easily accessible test points, exposed interfaces include:
  - ADC
  - Audio
  - DVI
  - GPIOs
  - GPS
  - HSIC
  - I2C
  - JTAG
  - Multimedia card
  - PCI Interface
  - SPI
  - UART
  - USB