EVKT-8861 Product Brief

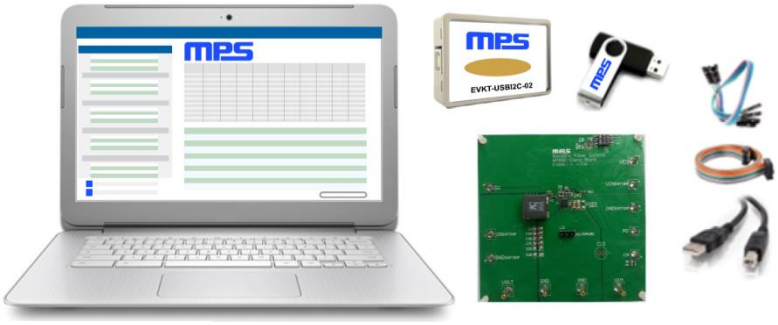
MP8861 Evaluation Kit

2.85V-18V, 6A, High-Efficiency, Wide-Input, Synchronous, Step-Down Converter

The MP8861 is a high-frequency, synchronous, rectified, step-down, switch-mode converter with an I2C control interface. The MP8861 offers a fully integrated solution that achieves 6A of continuous output current with excellent load and line regulation over a wide input supply range.

Highly customizable, the MP8861 is capable of supporting a diverse array of low-voltage applications. Users can program it via MPS I2C GUI; however, changes made in I2C mode will not be retained once the EVB is powered down.

The EVKT8861 is a valuable evaluation tool well-suited for all types of experience levels, from beginner to expert, and can help users quickly determine if the MP8861 is right for their target application.



*Laptop not included

Kit Contents

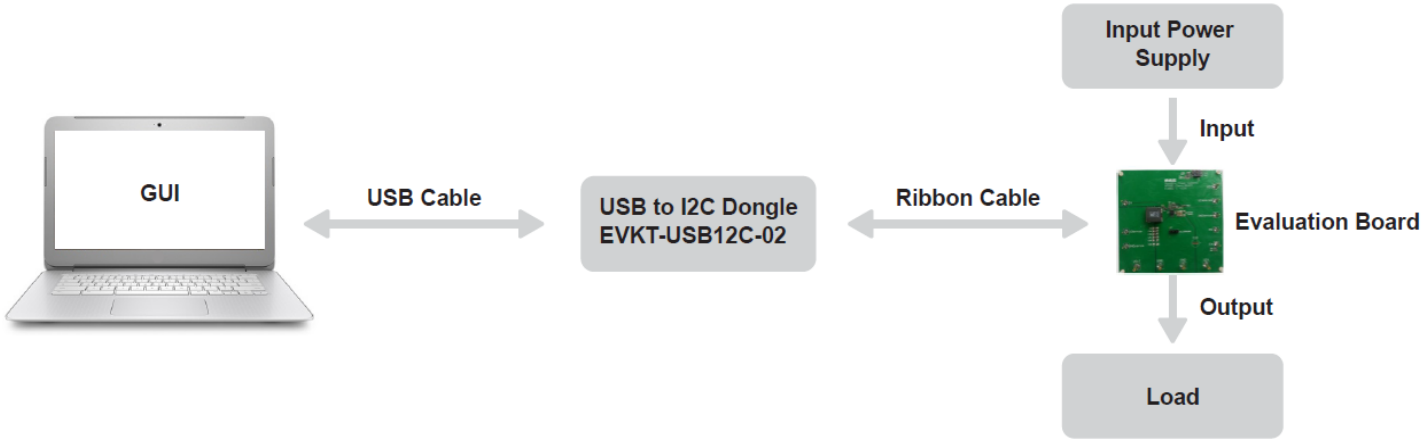
- EV8861 evaluation board (EV8861-L-00A)
- Dongle with accessories (EVKT-USBI2C-02)
  - USB to I2C Dongle
  - Ribbon cable& USB cable
- USB thumb drive that stores GUI installation file and supplemental documents

Feature	Specification
Supply for Board	2.85V - 18V
Operating Input Voltage	2.85V - 18V
Operating Systems Supported	Windows XP, 7, and later
System Requirements	Minimum 22.2 MB free
GUI Software	3 Register Controls: VSEL, SysCntlreg1, SysCntlreg2
EVB Size (L x W)	8.5 cm x 8.5 cm

Quick Start (Refer to user guide for more details.)

1. Install the GUI software.
2. Use the provided ribbon cable to connect the EVB and the USB to I2C dongle.
3. Preset the power supply output to between 2.85V and 18V and connect the EVB.
4. Connect the dongle to the PC and turn the power supply on.
5. Open the GUI software and program as needed.

**Kit offers rapid application assessment and requires minimal external components*



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