



EVKT-MP8860 Product Brief

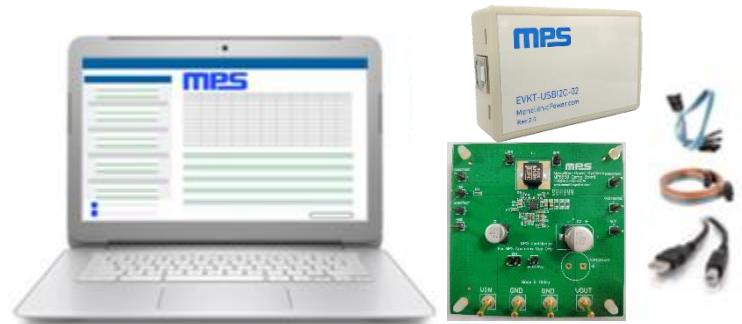
MP8860 Evaluation Kit

2.8-22V, 1A, 4-Switch, Integrated Buck-Boost Converter with I2C Interface

The MP8860 is a synchronous, 4-switch, integrated, buck-boost converter capable of regulating the output voltage from a 2.8V to 22V wide input voltage range with high efficiency. The integrated output voltage scaling and adjustable output current limit functions meet the USB power delivery (PD) requirement.

The MP8860 highly customizable and can support a diverse array of applications. Users can program it via the MPS I2C GUI. Changes made in I2C mode will not be retained once the EVB is powered down.

The EVKT-MP8860 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 MP8860 is right for their target application.



*Laptop not included

Kit Contents

- EV8860 evaluation board (EV8860-Q-00A)
- Communication interface with accessories (EVKT-USB I2C-02)
 - USB-to-I2C communication interface
 - Ribbon cable and USB cable

*GUI installation file and supplemental documents can be downloaded from the MPS website

| Feature | Specification |
|-----------------------------|--|
| Operating Input Voltage | 2.8V - 22V |
| Operating Systems Supported | Windows 7 or later |
| System Requirements | Minimum 22.2MB free |
| GUI Software | 5 Register Controls: Interrupt, Vout, Current, Control, Mask |
| EVB Size (L x W) | 6.35cm x 6.35cm |

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 communication interface.
3. Preset the power supply output to between 2.8V and 22V and connect the EVB.
4. Connect the communication interface 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

