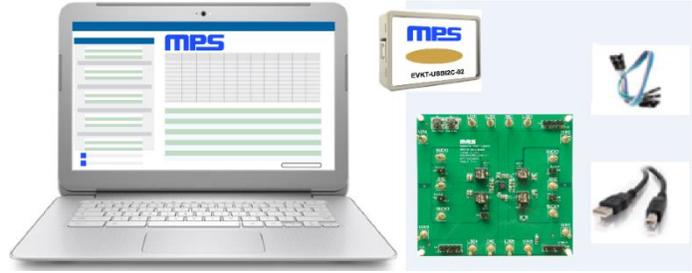The MP5416 is a complete power-management solution that integrates four high-efficiency, step-down, DC/DC converters, five low-dropout regulators, and a customizable logic interface.

Highly customizable, the MP5416 is capable of supporting a diverse array of low-voltage applications. Users can program it via MPS I2C GUI and OTP. Changes made in I2C mode will not be retained once the EVB is powered down. Once information is written to the PMIC in OTP mode, it cannot be changed.

The EVKT5416 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 MP5416 is right for their target application.

*Laptop not included

Kit Contents

- EV5416 evaluation board (EV5416-R-00D)
- USB to I2C communication interface device with accessories (EVKT-USBI2C-02)
  - USB to I2C communication interface device
  - 3-pin ribbon cable
- 2 OTP MP5416 ICs (MP5416GR-CCCC)

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

Feature	Specification
Supply for Board	3.5V - 5V
Operating Input Voltage	2.8V - 5.5V
Operating Systems Supported	Windows XP, 7, and later
System Requirements	Minimum 22.2 MB free
GUI Software	3 Register Controls: Buck, LDO, System
EVB Size (L x W)	9.4 cm x 8.6 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 communication interface device.
3. Preset the power supply output to between 3.5V and 5V and connect the EVB.
4. Connect the communication interface device 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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