



EVKT-MPM3695-25-A Product Brief

MPM3695-25 Evaluation Kit

16V, 20A, Scalable DC/DC Power Module with PMBus

The MPM3695-25 is a scalable and fully integrated power module with PMBus interface. The MPM3695-25 offers a complete power solution that achieves up to 25A of peak output current with excellent load and line regulation over a wide input voltage range. The MPM3695-10 operates at a high efficiency over a wide load range and can be paralleled to deliver a higher load current.

Highly customizable, the MPM3695-25 is capable of supporting a diverse array of low-voltage applications. Users can program it via an MPS PMBus GUI. Please note that changes made in PMBus mode will not be retained once the EVB is powered down.

The EVKT-MPM3695-25-A is a valuable evaluation tool well suited for all levels of experience, from beginner to expert, and can help users quickly determine if the MPM3695-25 is right for their target application.



*Laptop not included

Kit Contents

- MPM3695-25 evaluation board (EVM3695-25-RF-02A)
- Communication interface with accessories (EVKT-USB12C-02)
 - USB to PMBus communication interface
 - Ribbon cable and USB cable

Note: The GUI installation file and supplemental documents can be downloaded from the MPS website.

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 PMBus communication interface.
3. Preset the power supply output to between 4V and 14V 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.*

Feature	Specification
Supply for Board	4V - 14V (without external Vcc)
	3.3V - 14V (with external 3.3V Vcc)
Operating Input Voltage	3V - 16V (with external Vcc)
	4V - 16V (with internal Vcc)
Operating Systems Supported	Windows 7 and later
System Requirements	Minimum 22.2 MB free
EVB Size (L x W)	8.9cm x 8.9cm

