

OP8666 DSP Controller Board

Product Presentation

The OP8666 controller is based on the popular TI C2000 series of microcontrollers that support direct programming from MATLAB Simulink, PSIM as well as embedded C.

This versatility is especially powerful for power electronics applications, where the OP8666 can be used for Rapid Control Prototyping (RCP) and conventional embedded development.



Local Search

Search in the OP8666 pages only.

Table of Contents

- [OP8666 Safety Warnings Maintenance and Repair - Avertissements de securite maintenance et reparation](#)
- [OP8666 Description](#)
- [OP8666 Receiving and Verification](#)
- [OP8666 Hardware Interface](#)
 - [OP8666 Front Interface](#)
 - [OP8666 Rear Interface](#)
- [OP8666 Architecture](#)
- [OP8666 Pin Assignments](#)
 - [OP8666 Analog Input Connectors](#)
 - [OP8666 Digital Input Connectors](#)
 - [OP8666 Digital Output Connectors](#)
- [OP8666 Communication Protocols](#)
- [OP8666 Operational information](#)
 - [OP8666 Programming and Debugging](#)
 - [OP8666 Clock and Reset](#)
 - [OP8666 Analog to Digital Conversion](#)
 - [OP8666 Sync communication protocol](#)
 - [OP8666 Fiber Optic Communication](#)
 - [OP8666 CAN Bus Communication and Battery Enable Signal](#)
 - [OP8666 USB 2.0 FS OTG](#)
 - [OP8666 SD Card](#)
- [OP8666 Specifications](#)
- [OP8666 Application examples](#)
- [OP8666 Software Installation and Demo Development Environment Setup](#)
 - [Introduction](#)
 - [Texas Instruments \(TI\) Toolchain Setup](#)
 - [Install Code Composer Studio](#)
 - [Install ControlSUITE](#)
 - [Install C2000Ware](#)
 - [Install TI add-ons and Set Up Hardware in MATLAB](#)
 - [Demo Project](#)
 - [Create a Code Composer Studio Project](#)
 - [Create a MATLAB/Simulink Model](#)
 - [Configure the Hardware Parameters](#)
 - [Build the Model](#)
 - [Test and Build the Code](#)
 - [Run and Debug the Model on the OP8666](#)
 - [Conclusion](#)



Please note that all **Safety Warnings**, as well as all **User Installation, Handling & Warning Icons**, can be [found here](#) in both English and French.

Veuillez noter que tous les **avertissements de sécurité**, ainsi que toutes les **icônes d'avertissement d'installation, de manipulation et d'utilisateur**, peuvent être [trouvés ici](#) et sont disponibles en anglais et en français.

For the **OP5###'s Maintenance & Repair** section, [see here](#).

Pour la section **Maintenance et réparation de l'OP5###**, [voir ici](#).