



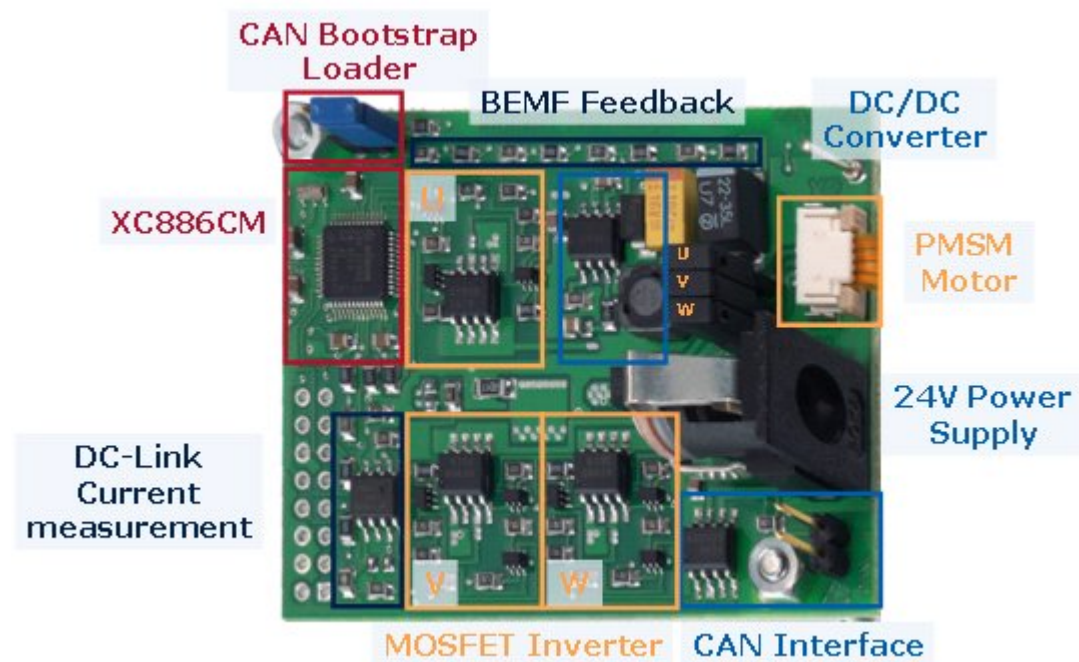
[Home](#)> [Industrial](#)> [Motor Drives](#)> [Motor Drives Application Kits](#)> **Application kit for Field Oriented Control using XC886/888**

## Application kit for Field Oriented Control using XC886/888

The FOC Drive Application Kit provides customers with a cost-effective method of evaluating and developing Permanent Magnet Synchronous Motor (PMSM) control applications using the FOC technique. The kit is featuring the CANmotion evaluation board which integrates the XC886CM MCU and a 3-phase power inverter providing all the necessary functions to control a 24V PMSM motor. The complete FOC source code along with a free tool chain offers the designers a Plug & Play solution to jump start FOC development.

A CAN to USB bridge is available in the kit for hex code download and parameter adjustments. A CAN message based user interface enables the users to set and modify all motor control parameters for speed and current control. Pre-compiled demos provide a platform for easy evaluation and performance measurement of the FOC algorithm.

Key Features:	Benefits:
<ul style="list-style-type: none"> <li>CANmotion evaluation board integrating the XC886CM microcontroller and a 3-phase power inverter providing all the necessary functions to control a 24 V PMSM motor</li> <li>Ready to use FOC software, free compiler and debugger</li> <li>USB CAN interface for monitoring</li> <li>DAvE-autocode generator &amp; device configuration tool</li> </ul>	<ul style="list-style-type: none"> <li>Low-cost, easy evaluation of FOC based on 8-bit microcontroller</li> <li>All necessary functionality to jump-start FOC development</li> <li>Real-time control of the motor control application</li> <li>Reduced software development time</li> </ul>



Order Nr: KIT\_AK\_XC800\_FOC\_V1

Price: 249,- EURO

How to order?

Buy Online or contact your local distributor: <http://www.infineon.com/distribution>

For more information about Infineon's XC886/888 devices, please visit our product page at: <http://www.infineon.com/XC886>

### Ask Infineon!

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0(0)800 951 951 951

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