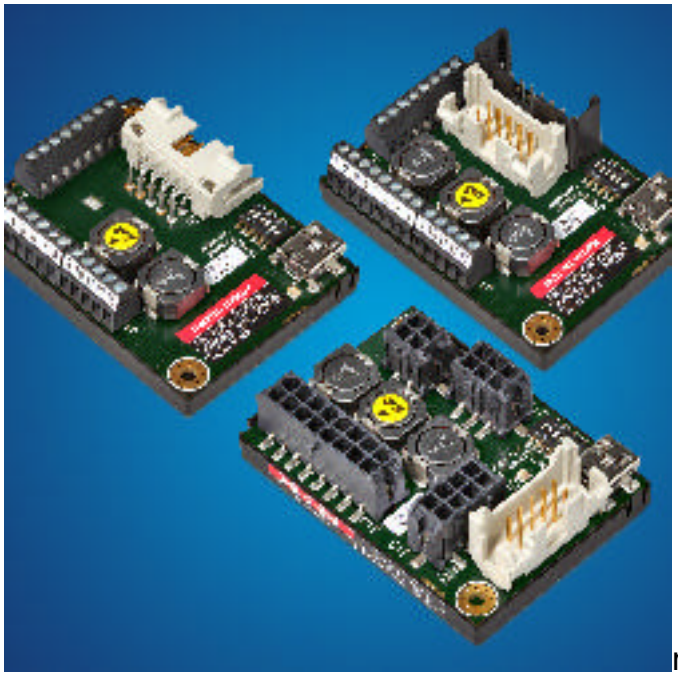
Miniaturized Positioning Controller Developed for CANopen Network



maxon's EPOS2 24/2 was developed specifically for commanding and controlling in the CANopen network. USB and RS232 are available as further communication interfaces. The variety of operating modes, such as position, velocity and current mode, means they can be used in automation technology, tool building, and in mechatronic drive systems. There are also functions such as Step/Direction Mode for the incrementally controlled movement of the motor shaft or Master Encoder Mode for applying the drive as electronic gearing. Commanding through an analog set value voltage may replace conventional servo amplifier applications.

The EPOS2 24/2 features outstanding motion control functionalities, offering a dual loop position and speed controller. In Interpolated Position Mode (PVT), the position controller is able to synchronously follow a path set by support points; highly dynamic and with great precision. During start-up, current, speed, or position controls can be set extremely efficiently through enhanced Regulation Tuning. This intelligent solution is easy to use and again highlights the benefits of the positioning controller.

Commanding can take place using CAN Master, for example EPOS2 P, SPS, Soft SPS, PLC or using PC via USB or RS232. Several drives can be networked and coordinated through the standardized CANopen interface. Additionally integrated gateway functions such as USB to CAN or RS232 to CAN help simplify access to the CAN network even more.

Source URL (retrieved on *12/12/2013 - 1:44am*):
http://www.mdtmag.com/product-releases/2010/12/miniaturized-positioning-controller-developed-canopen-network?qt-most_popular=0