

maxon launches additional EtherCAT motion controllers.

The EPOS4 product family is now complete.

With the *EPOS4* series, maxon is offering a reliable and extremely versatile platform of high-performance motion controllers. It addresses the needs of system integrators and fulfills the requirements of a variety of applications, such as industrial automation, apparatus engineering, and robotics. The platform is now being complemented with two new Compact EtherCAT models.

The highly successful *EPOS4* positioning controllers made by maxon motor are scalable and consistently support a uniform set of functionalities and connection options. Modularity with different designs (module, compact, or encased version) ensures optimal integration in a wide variety of applications. The controllers offer excellent dynamic properties, control quality, and power density while requiring only minimal installation space. In addition, their automatic controller setting makes them ideally suited for easy control of both brushless (BLDC) and brushed DC motors.

Now with dual loop control

maxon is expanding its family of EPOS4 products with two new EtherCAT Compact controllers (24/1.5 and 50/5). At the same time, maxon is upgrading the capabilities of the entire platform by enabling dual loop control. Dual loop control simultaneously controls motor and load feedback for optimum performance within the system. The EPOS Studio software ensures the minimum possible set-up times with its automatic Regulation Tuning feature.

Condition monitoring for added value

However, the *EPOS4* has many additional capabilities: for example, the controller continuously delivers hundreds of data points about the drive system for online condition monitoring and transmits this data to a higher-level system via CANopen or EtherCAT in real time. This supports complex predictive maintenance systems

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that anticipate impending failures to avoid costly repairs, resulting in higher productivity and lower cost.

For more information about our EPOS controllers, please visit epos.maxonmotor.com

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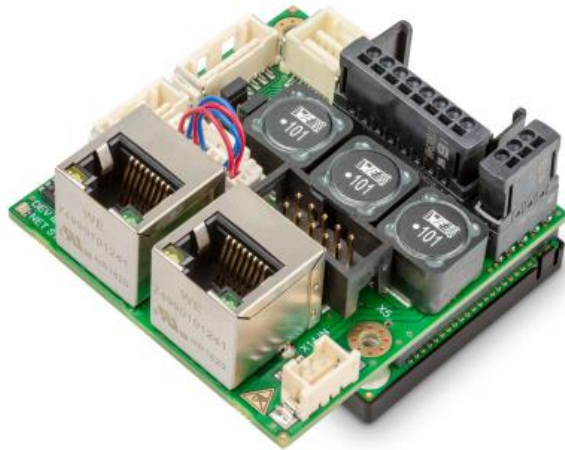
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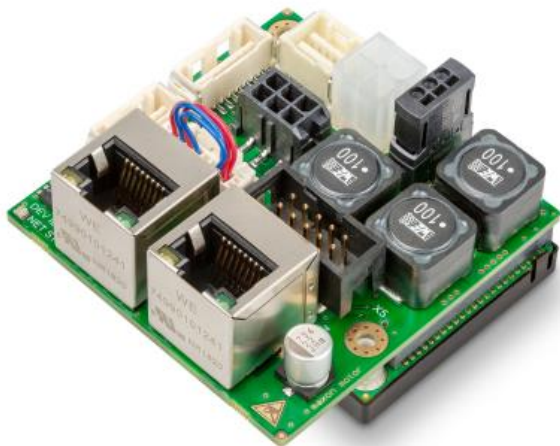
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driven by precision



The new **EPOS4 Compact 24/1.5**
EtherCAT ©maxon motor ag
(56.5 x 55.0 x 31.9 mm)



The new **EPOS4 Compact 50/5**
EtherCAT ©maxon motor ag
(56.5 x 55.0 x 31.9 mm)

The Swiss specialist for quality drives

maxon motor is a developer and manufacturer of brushed and brushless DC motors, as well as gearheads, encoders, controllers, and entire mechatronic systems. maxon drives are used wherever the requirements are particularly high: in NASA's Mars rovers, in surgical power tools, in humanoid robots, and in precision industrial applications, for example. To maintain its leadership in this demanding market, the company invests a considerable share of its annual revenue in research and development. Worldwide, maxon has more than 2,500 employees at eight production sites and is represented by sales companies in more than 30 countries.