

Award-winning performance

In January 2006 the PROFINET Enhanced Real Time Ethernet Controller (ERTEC) with integrated switch functionality was distinguished with an Editors' Choice Award in the category Networks and Communication from the magazine Control Engineering.

The jury was particularly impressed by the ability of the ERTEC to manage both standard TCP/IP communication and real-time PROFINET-communication simultaneously on the same network. The ERTEC Controller uses a real-time communication cycle in which time-critical real-time data is exchanged in predefined and exact isochronous intervals while in the remaining time the standard

TCP/IP packets are transmitted. The switch thereby maximises the efficiency of the available bandwidth even with a large number of network nodes and can, for example, manage data from up to 70 axes in 500 milliseconds in addition to the normal data transmission.

Control Engineering's editorial team selected a total of 45 winners from the products that were presented in the magazine during 2005. Products from 8 different categories were available for selection: Embedded Control, Human-Machine Interface, Instrumentation and Process Sensors, Machine Control and discrete Sensors, Motors/Drives and Motion Control, Networks and Communication, DCS systems and Advanced Control- solutions as well as Software and Information integration.

The winners in the individual categories excel through their progressive technology, their market success and the benefits they offer to industrial applications.

