

I/O – One good idea in,
10 million products out

10-millionth Beckhoff Bus Terminal delivered



13 years ago, Beckhoff unveiled its modular Bus Terminal technology at Hanover Fair. What was regarded as a technological revolution in 1995 has since developed into a worldwide standard in the automation industry. Today, many automation providers have adopted the Bus Terminal principle and are offering their own similar products. The "original" from Beckhoff has prevailed in the market: The 10-millionth Bus Terminal was produced in December 2007.

The Beckhoff Bus Terminal system is a universal I/O system designed in protection class IP 20 and consists of electronic terminal blocks for direct sensor/actuator wiring. Since its market introduction, it has been continuously developed: More than 300 Bus Terminals and Bus Couplers are now available for almost all signal types and fieldbuses. The Bus Terminal system stands for maximum openness: All major fieldbus and Industrial Ethernet systems are supported. It is used in a wide range of applications, including machine construction, processing and building automation.

The compact design of Beckhoff Bus Terminals and their modularity (available in 1-, 2-, 4- and 8-channel versions, with KM modules even in 16-, 32- and 64-channel versions) offer the user

significant competitive advantages. The Bus Terminals' small footprint in control cabinets and simple wiring save time and costs. The fine granularity of the Bus Terminal system means that the user only has to buy the I/O points that are needed.

Uwe Prüfmeier, Product Manager for I/O Systems, said: "An important step in the further development of the Bus Terminal system was the direct integration of PC Control at the I/O level. In combination with the Bus Terminals, the Embedded PCs of the CX series offer a high-performance system for centralized or local control. In addition to standard functions, special Bus Terminals increasingly deal with PLC, Motion Control and measuring tasks with stringent requirements in terms of accuracy and particularly

fast sampling. The integration of TwinSAFE terminals into the Bus Terminal system enables optimal synergy of standard automation and safety technology and has opened up further application areas."

Michael Jost, Product Manager for I/O Systems, added: "In addition to the technological advancement of the Bus Terminal system, Beckhoff always focuses on cost optimization. We want to continue setting technological standards while making existing technologies more cost-effective. Even after 13 years the Bus Terminal system is still enjoying significant growth."

→ www.beckhoff.com/busterminal