

## Beep Simplifies Communication with I/O Modules

Turck's Beep concept connects Ethernet networks with up to 33 I/O modules with just one IP address in Profinet, Ethernet/IP and Modbus TCP networks

Mülheim, April 10, 2018 – Turck's new Backplane Ethernet Extension Protocol, or Beep for short, is simplifying the use of its TBEN and FEN20 multiprotocol block I/O modules. BEEP makes it possible to connect networks with up to 33 TBEN modules (1 master, 32 slaves) and up to 480 bytes of data to the PLC via a single IP address in Profinet, Ethernet/IP and Modbus TCP networks. Through the reduction of the IP addresses, the user can quickly create high density I/O networks and also connect them with low cost controllers.

The user defines here the first device on the line as the BEEP master via the integrated web server. The master scans the connected network and automatically configures the data assignment for all connected modules. As all parameters of the device configuration are stored in the master, BEEP supports the rapid exchange of individual modules, thus efficiently reducing downtime and the associated costs. The BEEP master detects a new device automatically and downloads the relevant parameters.

BEEP is now available on all IP67 TBEN multiprotocol modules with digital I/O signals of the L and S series, as well as on Turck's FEN20 modules, and is compatible with all standard Ethernet components.

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Turck's Beep concept enables the use of up to 33 I/O modules with only one IP address

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