

## Newly Released BEEP Technology Allows a Network of Devices to Communicate as a Single Device

MINNEAPOLIS, MN (January 31, 2018) – Turck introduces BEEP, the Backplane Ethernet Extension Protocol. BEEP is a new technology that has been integrated into many of our multiprotocol digital block I/O modules.

BEEP allows a network of up to 33 devices (1 Master + 32 Slaves) or 480 bytes of data to appear to the PLC as a single device on a single connection using a single IP address. By reducing the number of connections the PLC sees, the user will be able to create high density I/O networks and still utilize their low cost PLC.

This technology is utilized by making the first device in the line a BEEP master, which can be done via the device webserver. The BEEP master can then scan the entire network and create a new data map that includes all of the downstream devices, with all device configuration options saved in the master.

BEEP also supports drop-in device replacement, reducing downtime and overall expenses. If the network is setup using BEEP, a technician can simply replace a slave device with a new device to keep the system online. The BEEP master will automatically recognize the device, assign it an IP address, and download the parameters to it.

Additionally, BEEP is compatible with all standard Ethernet components and does not require special equipment.



### About Turck

Turck is a pioneer in automation technology, providing customers with a comprehensive line of quality and advanced technology products in a fast, flexible and accurate manner. With more than 4,200 people working in 30 countries, Turck has built global partnerships with customers based on engineering expertise, flexibility and our willingness to take on engineering challenges that others won't. For more information, visit [www.turck.us](http://www.turck.us).

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**Backplane Ethernet Extension Protocol (BEEP)**

Turck Part Number	Turck ID Number
TBEN-L4-16DIP	6814009
TBEN-L4-16DOP	6814011
TBEN-L4-16DXP	6814012
TBEN-L4-8DIP-8DOP	6814010
TBEN-L4-16DIN	6814061
TBEN-L4-16DON	6814063
TBEN-L4-16DXN	6814064
TBEN-L5-16DIP	6814085
TBEN-L5-16DOP	6814087
TBEN-L5-16DXP	6814088
TBEN-L5-8DIP-8DOP	6814086
TBEN-S1-8DIP	6814020
TBEN-S1-8DIP-D	6814034
TBEN-S1-8DOP	6814022
TBEN-S1-8DXP	6814023
TBEN-S1-4DIP-4DOP	6814021
TBEN-S2-8DIP	6814073
TBEN-S2-8DXP	6814076
FEN20-4DIP-4DXP	6931090
FEN20-4DIN-4DXN	6814129
BLCEN-8PBLT	6811493