

## Video of the Month - Ethernet Switch Turbocharger for IIOT



Turck's TBEN-L switch managed high-speed switch with protection to IP67 guarantees maximum data throughput, short cycle times and secure industrial Ethernet networks.

[Click here to watch the video.](#)

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# Division News- Information on Sensors, Connectivity, and Fieldbus Technology

## Networks

### Managed Ethernet Switch with IP67



### **Turck's TCG20 Series offers universal IoT wireless gateways specially designed for industrial automation**

IoT wireless gateways for the wireless connection to cloud solutions enable machines and plants as well as measuring points at remote locations to be integrated simply into automation networks. With its extensive range of interfaces on offer, the TCG20 Series is specially tailored for the requirements of industrial automation.

The integrated web server enables the gateways to be configured online at any time using clearly designed graphical menus and also without any programming

knowledge. An EDGE-PLC Editor manages simple controller tasks and also the preprocessing of data for cyclical or event-driven data transmission. Mobile phone costs in UMTS operation are thus kept within reasonable limits.

The wireless gateways of the TCG20 Series extend Turck's offering of Turck Cloud Solutions presented this summer. The entire cloud concept has a similar variable structure as the gateways and is also optimized for the special requirements of industrial automation.

# Networks

## Wireless Cloud Gateways with UMTS and Wi-Fi



### **Turck's TBEN-L switch with GBit high-speed backbone guarantees short cycle times and secure operation in IIoT**

The manageable switch offers several functions for the secure and efficient organization of industrial Ethernet networks. The integrated firewall thus offers bidirectional protection from unauthorized access and thus reliably increases security in IIoT. Its NAT routing function enables stations to be represented under alternative addresses in higher-level networks. The device thus reliably prevents the doubling of IP addresses in the network of the user. The port-based IP address assignment allows station addresses to be allocated via the web browser of the switch.

# Networks

## Compact IP20 Multiprotocol Ethernet I/O Station



- 8 digital inputs
- Two separate, electrically isolated Ethernet interfaces
- Bi-directional data exchange between two networks
- Protocol conversion between EtherNet/IP™, Modbus® TCP and Profinet®
- PROFINet® is supported on P2 Ethernet port
- 1:1 NAT router
- 10 Mbps/100 Mbps supported
- 2 RJ45 ports for the Ethernet connection
- 24 VDC
- Degree of protection IP20

# Kübler

## Smart Solution for Industry 4.0 / IIoT



### Slip Ring SRS250 with Integrated Sensors

Power, signals and Industrial Ethernet communication are transmitted reliably via the slip ring. The integrated sensors support the implementation of Industry 4.0 / IIoT concepts via functions like condition monitoring or electronic data sheet. Its robust modular design and various connection options ensure flexible and reliable applications. Thanks to its innovative contact technology, this slip ring is particularly low-maintenance and durable.