

# Product Announcement



## TBEN-L-RFID Module with OPC UA Server

Turck has added an RFID module with an OPC UA server to its TBEN-L family, paving the way for the integration and implementation of RFID systems for the Industrial Internet of Things.

OPC UA (Open Platform Communication Unified Architecture) is a global industry protocol for use on any platform or device, regardless of operating system or programming language. The protocol offers numerous advantages, including:

- Direct provisioning of information to higher-level systems (MES, ERP, Cloud, PLC, etc)
- A simple and seamless integration process, independent of manufacturer or platform
- Built-in security protocols to protect data from unauthorized users

The TBEN-L5-4RFID-8DXP-OPC-UA provides large volumes of data quickly and simply without requiring fragmentation or a reduction of the data volume. Additionally, the module supports optional commands of the Companion Specification, such as lock, kill, and password functions for UHF.

## Frequently Asked Questions

### Which industries can this product be applied to?

- The module is ideal for applications involving logistics or tool machines, such as tool monitoring. The fully encapsulated housing and IP67/IP69K rating also allow use in harsh environments or in the field.

### How many connections does this device support?

- Up to four Turck HF and UHF read/write heads - as well as sensors and lights - can be connected via eight DXPs (digital inputs/outputs).

### Can the module be used to increase operational efficiencies?

- Absolutely. The module is capable of logging operating data, plant availability, and utilization level. This data can then be used to analyze and optimize production processes throughout the supply chain.



## Key Features and Benefits

- Platform independence
- Standardization of RFID functionality
- Secure authentication & encryption
- Easy handling and special functions

## Additional Resources

- [Data Sheet](#)
- [Product Presentation](#)