Far-sighted: UHF RFID system with integrated antenna

Integrated web server for configuration, diagnostics and monitoring
Integration into IT systems via TCP/IP interface
Adjustable range of up to 3 m for several transponders at once
Antenna not affected by installation in metallic environments
RFID UHF system EPC Global – Gen2, ISO/IEC 18000-63

Far-sighted RFID solution
The compact UHF RFID system is suitable for applications requiring long ranges. Convenient: Evaluation unit and antenna are integrated in one compact housing. This saves space and simplifies installation. In material logistics, for example, the device can determine whether the right material is available in the required quantity for the production order. The system can be used to check inflow and outflow in high rack storage areas. The device can also be used in plant control. It reads product-specific machine parameters from the ID tag attached to the product. The individual setting of the machine helps to increase productivity and avoid downtime.
Advantages of ifm’s UHF RFID solution:

Robust and expandable
Antenna, evaluation unit and TCP/IP interface are integrated in one compact, robust housing with protection rating IP 67 / IP 69K. This makes the system perfectly suited for use in harsh industrial environments.

Powerful antenna
Thanks to the internal antenna with circular polarisation, the device can be installed in metallic housings without reception being affected.

Integrated web server
The read/write units feature an integrated web server. Users can log in via an HTTP address to fully access the device.

Universal interface
The UHF RFID compact unit is ideal for direct connection to PCs, industrial PCs or PLCs that have no standardised fieldbus interface.

Additional digital inputs
The unit has two additional digital inputs and outputs, e.g. for controlling a light tower.

Status LEDs
A 5-digit LED bar graph display indicates the RSSI value (signal strength). This visualises the distance of the tag.

Applications
The DTE804 is ideal for track and trace and traceability applications, e.g.:
– product tracking
– access control
– asset management
– tracking of material
– assembly stations

Advantages:
– increase in productivity
– adherence to delivery dates
– material movement management
– avoidance of standstills
– increase of uptime

Products

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<tr>
<th>Type</th>
<th>Description</th>
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<td>UHF RFID system</td>
<td>Compact unit, TCP/IP interface</td>
<td>DTE804</td>
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<td>Mounting accessories for DTE804</td>
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