



YUMAsens YUtag® ESL



Universal scan-free picking solution

In many areas of production and intralogistics in industry, processes for capturing information for the generation of digital twins are already established today. However, these usually hinder the workflow because they have to be carried out by workers. An approach using scan-free recording can overcome these obstacles and at the same time enable more precise recording. The new YUtag® sets new standards in this area. Due to its universal range of applications, e.g. the active identification of load carriers and their retrieval by means of indoor localization or as a flexible pick-by-light application without complex infrastructure, the solutions based on the YUtag® can be easily integrated into existing IT infrastructures. They can also be easily connected to ERP, ME, WM and PP systems from all providers.

Main features

- No radio transmission
- Scan-free and without the use of user devices
- Operation in the cloud or on-premises
- Universal connection to all ERP, ME, WM and PP systems
- Minimum installation effort with maximum flexibility
- Multi-user capable

YUMAsens YUtag® ESL Specification



| TECHNICAL DATA | |
|---|---|
| TYPE | YUtag® ESL |
| DIMENSIONS | 84 x 46 x 18 mm (WxHxD) |
| DIMENSIONS DISPLAY | 48 x 25 mm (WxH) – diagonal 2.1 inch |
| LED-DISPLAY | Three-sided RGB |
| LED-DISPLAY COLORS | Eight colors can be meaningfully distinguished |
| DISPLAY | e-Paper, bistable |
| DISPLAY-COLORS | Black and white |
| DISPLAY-POSSIBILITIES | Dot matrix, graphics, 1D- and 2D-barcodes (QR-, DM-Codes etc.) |
| DISPLAY SWITCHING TIME | < 1 sec. |
| POWER SUPPLY | Rechargeable battery |
| SENSOR | Accelerometer triaxial ± 2 g - ± 16 g |
| CONTROL ELEMENTS | Three touch-pads, functionally freely assignable |
| RUNTIME BATTERY CAPACITY | > 6 months |
| HOUSING MATERIAL | ABS |
| PROTECTION CLASS | IP44 |
| OPTIONAL FUNCTIONS | Indoor localization (US, UWB), radio communication (DECT NR+), physical sensors (humidity, temperature, gyroscope, gas ...) |
| TYPE | YUtag® Transceiver |
| DIMENSIONS | 134 x 139 x 33 mm (WxHxD) |
| HOUSING MATERIAL | ABS |
| PROTECTION CLASS | IP44 |
| DATA TRANSMISSION | Infrared, no radio transmission |
| CONNECTION PROTOCOL | TCP/IP |
| INTERFACE | Ethernet |
| COVERAGE AREA | > 100 square meter |
| <p>The transceivers are connected via a customizable REST API interface of our middleware. This makes it possible to connect to all ERP, LV, WM and PP systems. The middleware can be provided on-premises or in a (private) cloud.</p> | |