![IALTAG — light up your process]

YUtag® ESL

Universal scan-free production and intralogistics 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

YUtag® ESL
Specification

IALTAG
light up your process

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

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.

YUtag® is a registered trademark.