

## [New Product] AIOI releases the industry's first Pick to Light Module equipped with an RFID reader.

AIOI, a pioneer and global No. 1 share in Pick to Light System, released Pick to Light Module with a built-in RFID reader.

AIOI Systems Co., Ltd. (Shinagawa-ku, Tokyo, Japan; Yutaka Yoshino, President and CEO; hereinafter referred to as "AIOI"), a developer, manufacturer, and seller of logistics systems to support logistics and manufacturing DX (Digital Transformation), will start accepting orders for "Pick to Light Module (MWU2060SFU)," the industry's 1st product with a UHF RFID reader embedded in the light module body, on October 30, 2023.

By having operators wear ID TAG, MWU2060SFU's Reader can identify them and acquire detailed data such as operator identification, number of missed pickings, and individual work hours. This enables traceability at the operator level, which can lead to improvements after a problem occurs.

When picking and sorting RFID-tagged items, MWU2060SFU's Reader can read multiple items at the same time, automatically count the quantity, and sound an alarm if the quantity picked or sorted exceeds the indicated quantity. This new picking support system, which can recognize the number of items without inspection, will further improve productivity.

**[New product] Equipped with  
UHF RFID READER**

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**AIOI light module  
MWU2060SFU**



### ■MWU2060SFU Application Example

1. Operator-specific Picking  
Operators can be identified and their operation history can be traced by reading operator's ID-TAG.
2. Multiple Operators picking at the same time  
Color-code the operator's ID-TAG so that the light module lamps are lit in a specific color, Only operators with ID-TAGs of that color are allowed to pick, and other operators are alerted when they do so.
3. Put RFID tags on the Item bins to prevent misplacement when placing bins on the shelves.

## ■MWU2060SFU Main Features

- No need to press CONFIRM button (Light Module recognizes the picking/sorting operation is completed by reading operator's ID-Tag or RFID tag on the items)
- Poka-yoke (Prevent Human Mistake) is realized by reading ID TAG data (reducing operation errors).
- Visualization of operation (Operation records can be linked to each operator, and detailed data such as number of mistakes and operation time can be obtained)
- Light Module can be used to count picking or sorting items if the items are RFID tagged.
- AIOI's unique wiring system simplifies network installation

## ■MWU2060SFU Specifications

Display: 6-digit 7-segment display

RFID frequency: 840-960 MHz \*Frequency settings vary by shipping country.

RFID standard : ISO/IEC18000-6 Type C (EPC C1G2)

External Dimensions: 180 (W) x 49 (H) x 20.5 (D) mm (including protrusion)

Weight: 85g

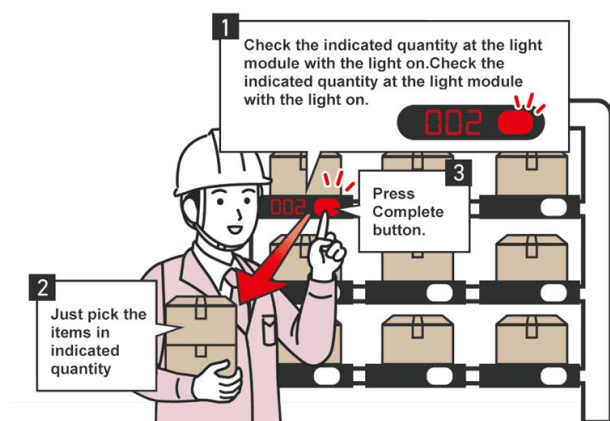
Operating environment: 0-35°C, humidity 20-80% (no condensation)

## ■What is AIOI's Pick to Light Module?

This is a picking support system using light modules. Power and Data are provided to the light module by a unique two-core wiring system that simplifies installation. The operator steps to the location where the lamp lights and takes out the indicated number of items. Anyone can easily perform accurate and speedy picking operations. The system can also be linked with various material handling equipment such as sorters, carts, and AGV (Automated Guided Vehicle), thus solving various problems at picking sites in distribution centers, warehousing, and manufacturing sites.

### -Challenges and Solutions

- Prevention of Poka mistake (Human Error)
- Manpower saving
- Paperless
- Speed up
- Effective use of space
- Operation history management
- Reduction of operator workload



## ■About AIOI Systems Co., Ltd.

AIOI supplies products that support logistics and manufacturing DX (Digital Transformation) based on its vision of "Amazing the world with innovative ideas and designing the future". As a pioneer of Pick to Light System, AIOI has expanded its business to 72 countries around the world and boasts the No. 1 market share in the world.

Company Name: AIOI Systems Co., Ltd.

Address: 9F Omori Bellport E, 6-22-7 Minami-Oi, Shinagawa-ku, Tokyo, Japan

Representative: Yutaka Yoshino, President and CEO

Business activities:

1. Design, development, manufacture and sales of AC 2-wire network equipment
2. Propose, design, develop, manufacture and sell logistics systems
3. Proposal, design, development, manufacturing and sales of various manufacturing support systems
4. Development, production and sales of computer hardware and software

Website: <https://www.hello-aioi.com>

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