



Logistics Solutions

OMRON

Omron logistics and warehouse automation

All the technologies you need for a complete solution



80+ years in automation

Founded in 1933, Omron is a global leader in the field of automation with 37,000+ employees.



Global support and expertise

We build automation systems in nearly every country and all regions of the world.



Easy integration & programming

We develop intuitive technologies that save time when you scale up or add new functionality.



End-to-end engineering support

We provide full support throughout the complete lifecycle of your project, from design to post-sale.

Technologies to complete your solution

TO SEE INTERACTIVE LINKS
CLICK HERE TO DOWNLOAD

SYSTMAC
One controller. One Connection. One Software.

Automated storage and retrieval systems (AS/RS)

AS/RS optimizes space usage in modern warehouses. Safety, motion and sensing solutions are all essential parts of building an AS/RS system.

Conveyance and sortation systems

Mile-long conveyors and sorters require ways to promote accuracy, safety, and maximum uptime. Door-to-door traceability solutions track the flow of inventory, while safety solutions protect your associates from nearby moving hazards.

Inbound and outbound

Flexible floor space utilization and seasonal labor requirements are driving the need for robotic solutions. AMR pallet and cart transportation, automated labeling and verification, and palletizing/depalletizing solutions reduce labor dependency and maximize warehouse capacity.

Order picking and pack out

Labor-intensive and repetitive operations demand better assistance from automation systems. Intuitively designed camera-based workstations with collaborative robotics increase the speed of operation while allowing flexible and scalable automation deployment.

Product Key



Safety



Industrial Cameras



Robotics



Control



Sensing



How Omron can help with the biggest issues in warehouse and logistics

1 Flexible, space-saving layouts

- Mobile robots that navigate easily in dynamic environments
- Coordinated mobile fleets with a variety of payloads
- Collaborative robotics for safe and flexible palletizing and order picking

2 Data collection and analytics

- IIoT Gateway Controller with three built-in communication protocols: MQTT, OPC UA, EtherNet/IP
- Edge computing and control in one device with real time data traceability (SQL)
- Pre-developed Function Block Library

3 Maximizing speed and transparency

- Compact and flexible barcoding and RFID technologies
- Advanced decoding algorithms to minimize no-reads
- All-in-one traceability and vision inspection solutions

4 Ensuring safety in the warehouse

- Industry-leading safety devices to protect associates and minimize downtime
- Safety features built into all robotic technologies
- Comprehensive risk assessments by certified safety experts

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