



Digital Solutions

Jungheinrich logistics interface

JUNGHEINRICH

Simple digitisation and networking for your warehouse.

Intelligent middleware for the simple connection of your warehouse.

The logistics interface is a versatile communications interface and connects machines and processes in the warehouse to intelligent systems. It enables easy and efficient communication between Jungheinrich trucks, warehouse equipment and warehouse management software, such as the Jungheinrich Warehouse Management System (WMS) or a higher-level host system.

But even in small warehouses without a WMS, the logistics interface ensures optimised truck control and more efficient warehouse processes, from paperless goods receipt processes and autonomous item management for lift and carousel systems to our intelligent assistance systems – the logistics interface is bringing Industry 4.0 and the Internet of Things (IoT) directly to your warehouse.

All benefits at a glance

- Easy communication between warehouse equipment and software.
- Innovative solution for digitisation and automation.
- Maximum efficiency and transparency thanks to optimal system integration.
- High level of flexibility thanks to modular design.
- Rapid implementation through easy connection.

Your Jungheinrich software for maximum customer benefits.



Efficiency

Improve the efficiency of your warehouse.

The optimal interaction between trucks, warehouse equipment and software creates intelligent systems from individual products. You can increase efficiency and reduce error rates in your warehouse without lengthy ramp-up times.

Increased productivity

- Maximum support for warehousing and process optimisation.
- Productivity and efficiency improvements of up to 25%.

Optimal networking

- Intelligent communications interface for easy communication between truck, warehouse equipment and the higher-level system.
- Simple, smart solutions for the digitisation and automation of your warehouse.
- Optimal solution, even if you do not currently use a WMS, or if the existing host system cannot be adapted or is not suitable for adaptation.

Simple digitisation

- Paperless goods receipt process.
- Autonomous item management for lift racking and paternoster racking systems.
- drive, lift and warehouse NAVIGATION for optimised, (semi-) automatic truck control and more efficient warehouse processes.



Safety

The optimal solution for maximum control.

The Jungheinrich logistics interface enables your trucks to drive semi-automatically or fully automatically to the correct position. Not only does this ensure increased process safety, but it simultaneously prevents inefficiency and damages.

Increased process reliability

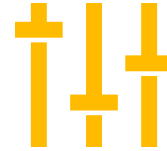
- Elimination of searches.
- Elimination of order picking errors.
- Shorter routes.
- Automatically adjusted driving speed and lift height.
- Reduced burden on employees through (partial) automation of activities.
- Optimised storage prevents skewed pallets and unsecured goods.
- No damage to racks, machinery or goods.

Maximum stock accuracy

- Real-time data on your stock.
- Complete transparency.
- Lower inventory costs.
- Delivery bottlenecks prevented.
- Ability to reduce stock.
- When connected to a warehouse or paternoster lift for example, the Jungheinrich logistics interface supports item management with or without the higher-level warehouse management system.

Reliable solutions from our experts

- A large number of successfully completed projects.
- Experienced in-house software and logistics experts provide customised, innovative and reliable solutions.



Individuality

Software as individual as your company.

Diverse application and connection options ensure that your trucks and warehouse technology are optimally integrated and efficiently utilised in your infrastructure.

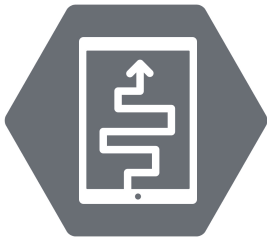
Individual solutions

- Versatile solutions for gradual digitisation of your warehouse.
- Assistance system in wide-aisle warehouses.
- Warehouse navigation in narrow-aisle warehouses.
- Auto ID technology field, e.g. when using RFID and automatic scanners.

Quick and easy implementation

- Integration of modern warehouse technology quickly and easily into your warehouse environment.
- Seamless connection of different technologies.
- Jungheinrich lift racking and paternoster racking systems.
- Under Pallet Carriers (UPC).
- Automated guided vehicle systems (AGV).
- Few adjustments required to the existing software environment.
- Low training costs.
- Numerous connection options (including file transfer, TCP/IP and Telnet).

The right modules for your requirements:



IoT-Connector: warehouseNAVIGATION

Operator assistance system for narrow aisle trucks



IoT-Connector: liftNAVIGATION

Operator assistance system for Jungheinrich reach trucks



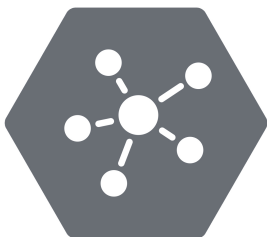
IoT-Connector: driveNAVIGATION

Connection of the easyPILOT to the WMS



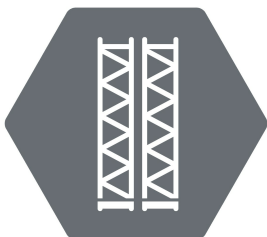
IoT-Connector: vertical lift system

Connection of dynamic warehouse equipment to any WMS



IoT-Connector: UPC

Connection of dynamic warehouse equipment to any WMS



IoT-Connector: mobile racking system

Connection of dynamic warehouse equipment to any WMS



Process manager: vertical lift system management

Vertical lift system management – stock management of items within the vertical lift system



Process manager: AGV management

Integrates Jungheinrich FTS into the IT and warehouse periphery; including order management, visualisation, reporting

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

JUNGHEINRICH