Smart Pallet | Solution Summary

ADLINK Edge IoT Smart Solution Summary

ADLINK Edge® Smart Pallet is ADLINK's Edge IoT Smart Solution for palletization accuracy and profitability using machine vision AI

What Does Smart Pallet Do?

ADLINK Edge® Smart Pallet replaces traditional barcode hand-scanning by using AI and Vision Machine Learning (ML) to help automate pallet stacking and box finding in the warehouse, removing errors in inventory from misplaced and non-scanned items. As a smart solution, Smart Pallet includes all the hardware, software, and training needed including ADLINK's leading Smart Cameras, Edge IoT software for real-time connectivity, and Edge IoT apps for machine vision. Capabilities include:

- Identify items even when the barcode is never scanned by gathering item metadata such as size, shape, and weight
- Instantaneous connectivity between cameras, conveyors, automation systems, IT systems and clouds with edge computing
- Comprehesive optional user experience communicates with an employee about items in the wrong place or wrong pallet
- Vendor-agnostic technology allows for easy integration with existing infrastructure, automation systems, IT systems
- No single point of failure, continue operations even if a component goes down

Smart Pallet Value

- Intercept incorrectly placed items before they get shipped or pallet closes
- Keep inventory accurate and up-to-date in real-time, reduce "missing in action" items
- Reduce spoilage and sunk costs of replacing items that are incorrectly shipped
- Increase productivity and the number of items that get shipped daily
- Give excellent customer service with quick, correct, and on-time deliveries
- Create more ergonomic and safe work environments for warehouse employees

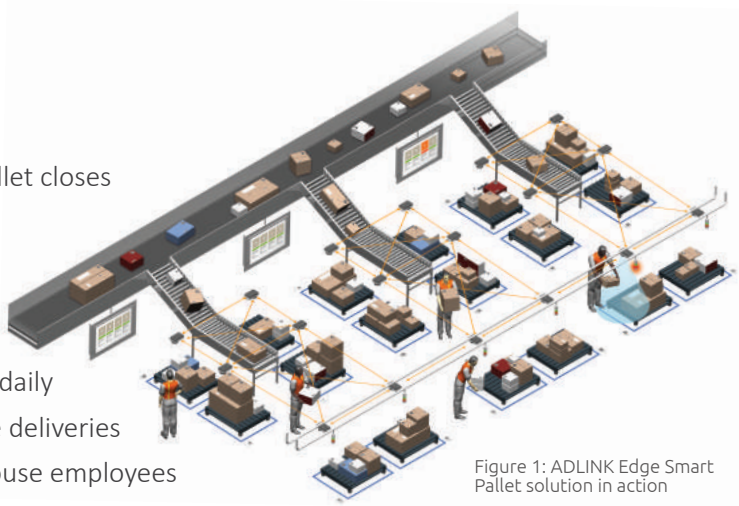


Figure 1: ADLINK Edge Smart Pallet solution in action

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ADLINK Leading Edge Computing



Our Mission

To help our customers create next generation business models, new efficiencies, and new experiences enabled through Artificial Intelligence (AI) and the Internet of Things (IoT) by simplifying the deployment of edge and cloud based technologies.

What We Do

We provide the **A**nalog **D**igital **LINK** to make connecting people, places, and things easy. We manufacture edge hardware, real-time data streaming software, and Edge IoT apps to form Edge IoT solutions for manufacturing, retail, networking, healthcare, transportation, energy & power, oil & gas, and aerospace & defense industries.

Over **20** years in business

2018 Edge Computing Company of the Year

2020 Machine Vision Technology award winner

2 manufacturing centers

1600 customers globally

Publically traded **TAIEX: 6166**

Serving over **40** countries

4 design labs

Averaging **13%** of annual revenue invested in R&D

#Tech4Good

ADLINK is a proud contributor to the #AccessibleOlli Autonomous for All program, helps with disaster relief efforts, and offers auditory and visual elements within our Edge IoT solutions when possible to help create inclusive work environments.

ADLINK Partner Ecosystem

- **Field Integrators** - Into any brownfield industry
- **Analytics Specialists** - Data science and big data analytics technology
- **Business Consultants** - Value assessments and business models
- **Cloud & Data Center Vendors** - XAAS and PAAS
- **Independent Software Vendors** - Analytics, asset management, security
- **Hardware & Sensor Vendors** - Any analog or digital sensor
- **Open Source Communities** - Autonomous things, vision, robotics

As Seen In

Compass Intelligence
Packaging Digest
DigiTimes
CIO applications
Insight.Tech
Fast Company
Smart Industry
and more

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