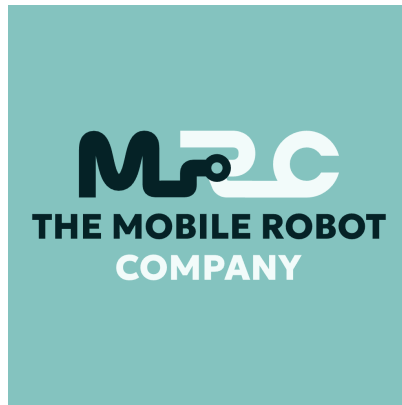




The Mobile Robot Company

Knowledge Center — Integration Overview · 2026-08-04

<https://info.mobilerobot.com/documentation/technical-integration/integration-overview>

Integration Overview

This page maps the J1600's integration options, from a single standalone robot to a multi-vendor fleet. Use it to decide which software level and interfaces a deployment needs.

Integration is optional

[The J1600](https://info.mobilerobot.com/products/j1600/overview/) works out of the box. Basic use requires [no Wi-Fi](https://info.mobilerobot.com/documentation/installation/network-and-wi-fi-requirements/), no warehouse management system (WMS), no fleet manager, and [no IT integration project](https://info.mobilerobot.com/applications/results/lower-integration-complexity/). An operator [maps the facility by driving](https://info.mobilerobot.com/documentation/getting-started/creating-the-first-map/), saves locations, and launches tasks from the touchscreen. Integration capabilities exist for scaling up — they are never a precondition for productive use.

The capability ladder

Level	Capabilities	Requirements
Manual functions	Pallet pick and drop up to 1.6 m; full manual tiller control	None
Basic automation	On-screen task start; saved locations; autonomous travel; floor-level drop; return-to-me; go-to-parking	Standard software
Advanced automation	Come-to-me; automatic charging; VDA 5050 fleet management; API integrations	Advanced software and options

[Come-to-me](https://info.mobilerobot.com/applications/scenarios/come-to-me/) calls the robot to a location through a mobile app or web interface, which means the connected functions on the advanced rung need a network.

Standard and Advanced software

One hardware platform supports [two software versions](https://info.mobilerobot.com/products/software/software-comparison/) (<https://info.mobilerobot.com/products/software/software-comparison/>):

- **Standard software** (<https://info.mobilerobot.com/products/software/standard-software/>) is reduced to essential functions for maximum ease of use. It is built around configuration-free [teach and repeat](https://info.mobilerobot.com/documentation/concepts/teach-and-repeat/) (<https://info.mobilerobot.com/documentation/concepts/teach-and-repeat/>) and is intended for single-unit deployments without systems integration.
- **Advanced software** (<https://info.mobilerobot.com/products/software/advanced-software/>) adds [VDA 5050](https://info.mobilerobot.com/documentation/technical-integration/vda-5050-documentation/) (<https://info.mobilerobot.com/documentation/technical-integration/vda-5050-documentation/>), interoperability, a [REST API](https://info.mobilerobot.com/documentation/technical-integration/rest-api-documentation/) (<https://info.mobilerobot.com/documentation/technical-integration/rest-api-documentation/>), [Fleet Manager](https://info.mobilerobot.com/documentation/technical-integration/fleet-manager-guide/) (<https://info.mobilerobot.com/documentation/technical-integration/fleet-manager-guide/>), advanced mission planning, and advanced integration with other software and equipment.

Upgrade path

The Advanced software upgrade is priced as a separate item:

Item	End-user list price
Advanced software upgrade	€14,500
Fleet Manager, per robot	€6,500

The upgrade is easiest to install at the factory when the robot is ordered. A partner may perform it later; the customer cannot perform the upgrade. If fleet operation or system integration is plausible within the robot's life, consider ordering the Advanced software with the robot.

Where to go next

- Planning a full project: [system integrator technical guide](https://info.mobilerobot.com/documentation/technical-integration/system-integrator-technical-guide/) (<https://info.mobilerobot.com/documentation/technical-integration/system-integrator-technical-guide/>)
- Connecting to a WMS or other equipment: [external system integration](https://info.mobilerobot.com/documentation/technical-integration/external-system-integration/) (<https://info.mobilerobot.com/documentation/technical-integration/external-system-integration/>)

- Multi-vendor fleets: [VDA 5050 documentation](https://info.mobilerobot.com/documentation/technical-integration/vda-5050-documentation/) (https://info.mobilerobot.com/documentation/technical-integration/vda-5050-documentation/) and [VDA 5050 explained](https://info.mobilerobot.com/documentation/concepts/vda-5050-explained/) (https://info.mobilerobot.com/documentation/concepts/vda-5050-explained/).
- Typical task flows: [example workflows](https://info.mobilerobot.com/documentation/technical-integration/example-workflows/) (https://info.mobilerobot.com/documentation/technical-integration/example-workflows/).