



The Mobile Robot Company

Knowledge Center — Software and Integrations · 2026-08-04

<https://info.mobilerobot.com/products/j1600/software-and-integrations>

Software and Integrations

One J1600 hardware platform supports two software versions: Standard and Advanced (<https://info.mobilerobot.com/products/software/software-comparison/>). Standard (<https://info.mobilerobot.com/products/software/standard-software/>) covers single-unit, no-integration deployments; Advanced adds interoperability, APIs, and fleet capabilities.

Standard software

- Reduced to essential functions for maximum ease of use.
- Built around configuration-free **teach and repeat** (<https://info.mobilerobot.com/documentation/concepts/teach-and-repeat/>): drive to a point, save it, reuse it in tasks.
- Designed so an existing pallet-jack operator can use it without training (<https://info.mobilerobot.com/documentation/getting-started/operator-training/>) beyond the basic 30 minutes.
- Ideal for a single-unit deployment without systems integration.
- Touchscreen task launch and saved locations.
- Wi-Fi optional (<https://info.mobilerobot.com/documentation/installation/network-and-wi-fi-requirements/>) for the basic out-of-box workflow.

Advanced software

- **VDA 5050** interoperability.
- **REST API** (<https://info.mobilerobot.com/documentation/technical-integration/rest-api-documentation/>) for software integration.
- **Fleet Manager** (<https://info.mobilerobot.com/products/software/fleet-manager/>).
- Advanced mission planning.
- Advanced system integration with other software and equipment (<https://info.mobilerobot.com/documentation/technical-integration/external-system-integration/>).
- Priced as a separate upgrade.

Upgrade rules

The [Advanced upgrade](https://info.mobilerobot.com/products/software/advanced-software/) is easiest to install at the factory when the robot is ordered. A partner may perform the upgrade later; customers cannot perform it themselves.

VDA 5050 and APIs

The J1600 has full [VDA 5050](https://info.mobilerobot.com/products/software/vda-5050/) support. VDA 5050 is the interoperability interface that lets mobile robots from different vendors work together under a compatible fleet-management layer, and the company works with established VDA 5050 fleet-management providers. For the exact VDA 5050 version, API schema, authentication model, and supported fleet managers, contact the company or a partner.

Automation functions by level

- **Basic automation:** on-screen task start, saved locations, autonomous floor-level drop, self-drive to saved locations, return-to-me, go-to-parking.
- **Advanced automation:** [come-to-me](https://info.mobilerobot.com/applications/scenarios/come-to-me/) (call the robot from a mobile app or web interface), automatic charging, VDA 5050 fleet management, API integrations.

This split follows the capability ladder on [Dual mode](https://info.mobilerobot.com/products/j1600/dual-mode/). Automatic charging hardware is covered on [Chargers and accessories](https://info.mobilerobot.com/products/j1600/chargers-and-accessories/).

No integration required for basic use

Basic deployment needs no warehouse-management system (WMS), no fleet manager, and [no IT integration](https://info.mobilerobot.com/applications/results/lower-integration-complexity/); Wi-Fi is optional. [Integration is a scaling option](https://info.mobilerobot.com/documentation/technical-integration/integration-overview/), not an entry requirement — the reasoning is part of the product's [design principles](https://info.mobilerobot.com/products/j1600/features-and-benefits/).

2026 list pricing

Software item	End-user list price
Upgrade to Advanced software	€14,500
Fleet Manager software, per robot	€6,500

Full pricing context is on [Pricing and ROI](https://info.mobilerobot.com/products/j1600/pricing-and-roi/) (https://info.mobilerobot.com/products/j1600/pricing-and-roi/).

Related pages

- [How it works](https://info.mobilerobot.com/products/j1600/how-it-works/) (https://info.mobilerobot.com/products/j1600/how-it-works/) — the task workflow the Standard software drives.
- [Navigation and obstacle avoidance](https://info.mobilerobot.com/products/j1600/navigation-and-obstacle-avoidance/) (https://info.mobilerobot.com/products/j1600/navigation-and-obstacle-avoidance/) — the autonomy stack under the software.
- [Glossary](https://info.mobilerobot.com/documentation/concepts/glossary/) (https://info.mobilerobot.com/documentation/concepts/glossary/) — VDA 5050, REST API, WMS, Fleet Manager.