



IMR250

Specifications

Designed For Your Application

Built for precision mobile tasks, the **IMR250** pairs a *FANUC CRX arm* with the reliable *MIR250 AMR base*. Customizable top module options ensure flexible integration and rapid deployment.

Robot Repeatability

Base repeatability (no dock)	±85mm, ±4°
Base repeatability (with dock)	±4.25mm, ±0.5°

Arm Options

	CRX5iA	CRX10iA	CRX10iA/L
Payload [kg]	5	10	10
Reach [mm]	994	1249	1418
Carrying Payload [kg]	150	150	150
Repeatability [m]	±0.03	±0.04	±0.04

Environment

Mobile Robot IP Rating	21
Arm IP Rating	67
Temperature (operating)	5-25°C
Humidity	75% non-condensing
Cleanroom	Optional class 4 ¹

Base Dimensions

Length [mm]	900
Width [mm]	580
Height [mm] (not incl. robot)	622
Front Footprint	560 x 375

Power

Battery	1.63kWh (34.2Ah at 47.7V)
Charge Time (10%-90%)	52min
Active Operation time (100%-10%)	3.3 Hours ²

*Estimate based on average current draw of the system. May change depending on environment, load, and other factors.

Communications

- Wifi 2.4 GHz and 5 GHz, 2 external antennas
- REST API
- Modbus TCP/IP LAN & via WiFi
- Ethernet/IP³
- Digital inputs & outputs
- Integrator Remote Access⁴
*On request

Safety Options

- 360° LIDAR coverage, configurable
- Arm Protective Stops
- Interlocking robot safety

¹ Optional cleanroom configuration available ² Estimate based on average current draw; may vary ³ Ethernet/IP available on request ⁴ Remote access requires integrator setup