Mobile Robots
Enterprise Manager (EM2100)

Hardware and software solution that enables management of Automated Intelligent Vehicle (AIV) fleets

- Fleet management:
  - Supervises and coordinates the entire fleet of up to 100 AIVs
  - Automatically plans routes to prevent collisions
  - Optimizes traffic flow of multiple AIVs to improve efficiency
  - Provides a single control point for all connected AIVs

- Robust hardware platform:
  - Dedicated solely to fleet management
  - Runs as an appliance NOT a server
  - Minimal maintenance required
  - Supports backup/redundant units to eliminate downtime due to unforeseen hardware failure

Ordering Information

Controller/Software

Appearance	Product Name	Description	Model
	Enterprise Manager 2100	System that manages a fleet of mobile robots. Includes a network appliance, fleet software, and USB license dongle.	11168-200
	Enterprise Manager 2100 (Replacement Unit)	Model of Enterprise Manager (EM2100) used to replace existing EM1100 & EM2100 units	11168-200F
	MobilePlanner	PC software to configure, drive, and observe the mobile robot. Includes the PC software package and a USB license dongle.	13495-200

* The latest version of MobilePlanner can be downloaded from the Omron Automation Americas website.
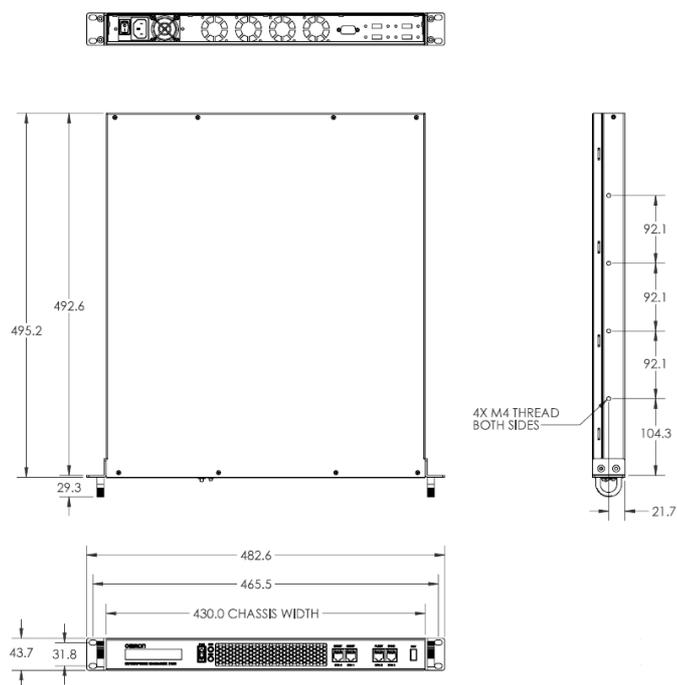 https://industrial.omron.us/en/products/ld-series

Specifications

Enterprise Manager 2100

Model	11168-200
Dimensions- W × D × H	430 × 492.8 × 43.2 mm
Weight	9.1 kg
Mounting method	1U rack mount in a standard 19-inch equipment rack
Power Supply	100-240 VAC *
Power Consumption	200W max.
Operating Temperature	10 to 35 °C
Storage Temperature	-25 to 60 °C
Operating Humidity	8 to 90%, non-condensing
Storage Humidity	5 to 95%, non-condensing
Chassis protection class	IP20
CPU	Intel® Xeon® CPU
Main Memory	32 GB DDR3
Storage	60 GB SSD
Archive Storage	4 TB HDD
Communication port	10/100/1000 Ethernet × 4, USB × 4, VGA
Status Display	Multi-segment LCD

* typical 100 W

Dimensions (Unit: mm)

Item

1	802.11a/b/g WiFi access point.
2	AIVs configured to connect to the EM2100 Fleet IP address
3	Local Area Network (LAN)
4	Automated factory equipment such as a conveyor
5	EM2100 running Mobile Robot software components

Related Manuals

Manual No.	English Title
I611	Mobile Robots LD Platform User Guide
I612	Mobile Robots LD Cart Transporter User Guide
I613	Mobile Robots LD Platform Peripherals Guide
I614	Mobile Robots Software Suite User Guide
I615	Enterprise Manager User Guide
I616	Mobile Robot Safety Guide
I617	Advanced Robotics Command Language Reference Guide
I618	Advanced Robotics Command Language Enterprise Manager Integration Guide

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