

# Lynx OEM



The Adept Lynx™ is an Autonomous Indoor Vehicle (AIV) available to developers for custom applications and payloads. The Lynx includes Adept's proprietary self-navigation software ideal for use in crowded environments, tight hallways, and applications where a compact automated vehicle is advantageous. Adept OEM partners and payload developers enjoy access to a reliable drive system, an on-board power supply, automated self-charging, and I/O for integrating payload hardware onto the mobile platform. The Adept Lynx is capable of transporting up to 60kg with a runtime of up to 19 hours a day.

## Specifications

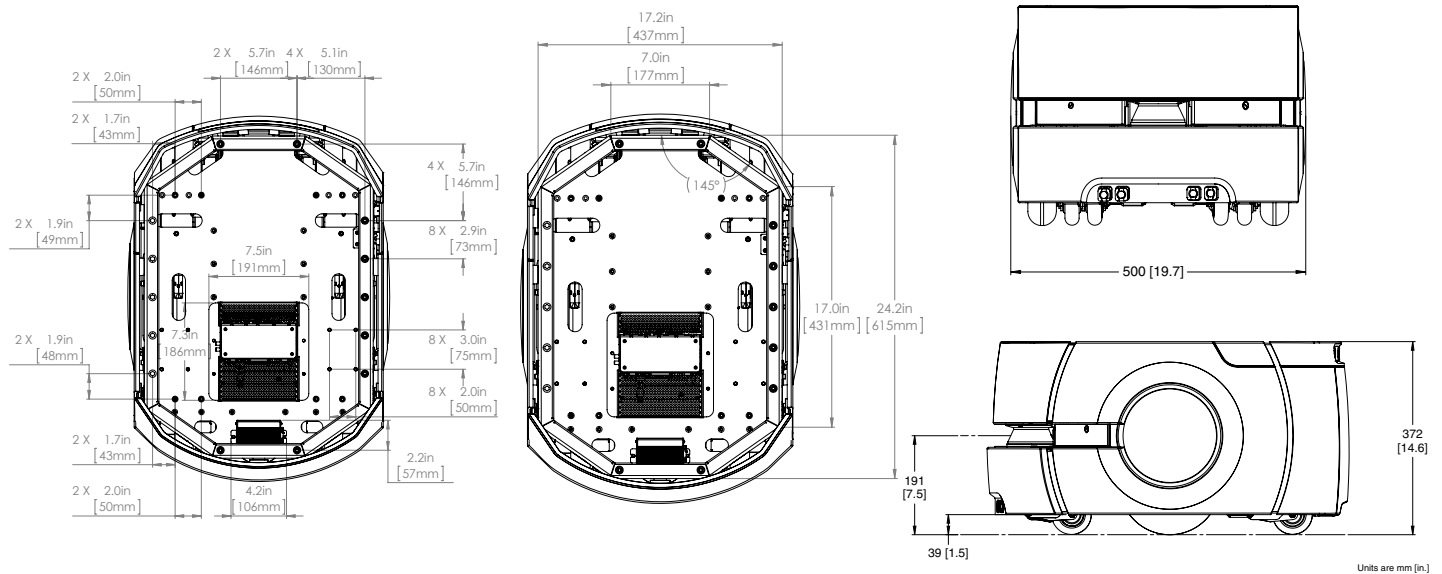
Weight	60 kg (132 lbs)
Payload	
Level Surface	60 kg (132 lbs)
Grade 1:12	60 kg (132 lbs)
Power	
Battery	22-29 VDC LiFePO <sub>4</sub>
Capacity	60 Ah
Run Time	13 hours (continuous)
Recharge Time	3.5 hours (5:1 ratio)
Battery Life	7 years
	16 hr/day, 5 days/wk
Charging Station	Automatic (optional)
Auxiliary Power	5, 12, 20 VDC
Mobility Overview	
Maximum Speed	1800 mm/sec (67 in./sec)
Tire Composition	Non-Marking Rubber
Suspension	Passive
Steering	Differential
Turning Radius	0
Swing Radius	343 mm (13.5 in)
Traversable Gap	15 mm (0.6 in)
Traversable Sill	15 mm (0.6 in)

## Product Features and Benefits

- Simplifies payload integration with a small mobile platform
- Self-navigation software safely avoids people and obstacles
- Reliable drive system optimized for self-navigation
- Structural support of payloads up to 60kg on level surfaces
- Navigates through the use of a digital map
- Easy to deploy, no facilities modifications required
- Manages power and self-charging operations
- CE compliant

# ADEPT LYNX OEM

## Dimensions: Adept Lynx OEM (mm)



## The Adept Lynx OEM system includes the following:

- Adept Lynx™ mobile platform
- Graphical user interface
- 22-29 VDC battery pack
- Covers are removable without tools for maintenance
- User interface wheel indicating vehicle intent and status
- Programmable voice and audio prompts
- Queue management software

## Options and Peripherals:

- Class 100 Cleanroom
- Top plate
- MobilePlanner™ and MobileEyes™ software package
- Enterprise Manager Lite
- Call buttons
- Door interface
- Automatic touchscreen interface

## Payload Accessible I/O:

- 802.11 a/b/g wireless
- Gigabit Ethernet
- USB (3x)
- RS-232 (2x)
- CanBus
- 16 in / 16 out digital I/O
- Analog input (4x)
- Analog output (8x)
- Light pole I/O
- Antenna (2x)
- User brake release
- User on/off
- User E-stop
- User bumpers
- Battery power
- Regulated 5, 12, 20 VDC
- Battery power (safe switched)



**Adept Technology, Inc.** 5960 Inglewood Drive, Pleasanton, CA 94588

Tel: 925-245-3400 Fax: 925-960-0452 Email: [info@adept.com](mailto:info@adept.com)

[www.adept.com](http://www.adept.com)

Specifications subject to change without notice.

©2014 Adept Technology, Inc. ALL RIGHTS RESERVED. The information provided in this communication or document is the property of Adept Technology, Inc. and is protected by copyright and other intellectual property laws. In addition, any references to any Adept Technology, Inc. products are the marks and property of Adept Technology, Inc. [and may be registered trademarks]. All other trademarks or tradenames are the property of their respective holders.

## Downloads:

Download CAD files for the Adept Lynx-OEM robot from

<http://www.adept.com/support/downloads/file-search>