



Adept Lynx

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 small 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.

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

Specifications

Weight	60kg (132lbs)
Payload	
Level Surface	60kg (132 lbs)
20% Grade	20kg (44 lbs)
Power	
Battery	24VDC LiFePO4
Capacity	60Ah
Run Time	13 hours (Continuous)
Recharge Time	3.5 hours (5:1 ratio)
Battery Life	7 years
	16hr/day, 5days/wk
Charging Station	Automatic (Optional)
Auxiliary Power	5, 12, 20 VDC

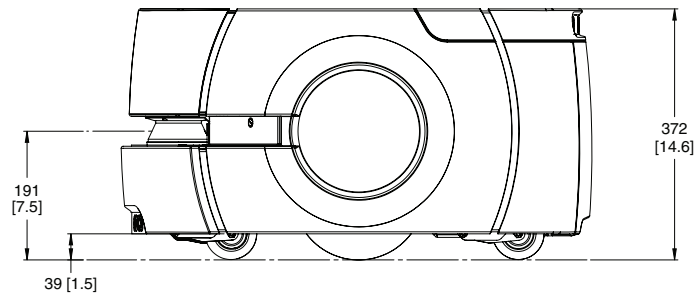
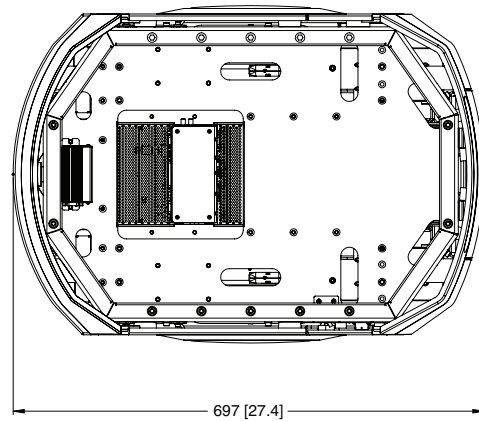
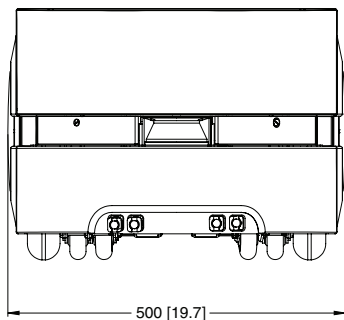
Mobility Overview

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.)



ADEPT LYNX

DIMENSIONS; ADEPT LYNX



Units are mm [in.]

The System includes:

- Adept Lynx Mobile Platform
- Graphical User Interface Touch Screen
- 24 VDC Battery Pack
- Covers are Removable Without Tools for Maintenance
- User Interface Wheel Indicating Vehicle Intent and Status
- Programmable Voice and Audio Prompts
- MARC Firmware
- ARAM Software
- SetNetGo Operating System
- Queue Management Software

System Options

- Class 100 Cleanroom
- Charging Station
- Joystick
- Top Plate
- MobilePlanner & MobileEyes Software Package
- Enterprise Manager Lite
- Enterprise Manager
- Call Buttons
- Door Interface

Payload Accessible I/O

- 802.11 a/b/g Wireless
- Gigabit Ethernet
- USB (3x)
- RS-232 (2x)
- CanBus
- 16in / 16out Digital I/O
- Analog Input (4x)
- Analog Output (4x)
- Light Pole
- Antenna (2x)
- User Brake Release
- User On/Off
- User E-Stop
- User Bumpers
- Battery Power
- Regulated 5, 12, 20VDC
- Battery Power (Safe Switched)



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Specifications are subject to change without notice.

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