

Lynx Conveyor



The Adept Lynx™ Conveyor combines a Lynx autonomous indoor vehicle (AIV) with a motorized conveyor platform, producing a highly versatile mobile robot designed to receive, transport and deliver materials or goods throughout warehouses, distribution centers and manufacturing environments. The on-board intelligence of the vehicle eliminates the need for additional infrastructure such as tracks, reflectors or magnets. It moves nimbly within narrow aisles and operates safely alongside people.

As an alternative to fixed conveyors, the Lynx Conveyor offers flexibility to existing work environments where material flow changes periodically. It also dramatically reduces manual transport tasks, shortens turnaround time, enables “lean” workflow processes and increases operational efficiency by redeploying personnel to higher value-add tasks.

Product Applications

- Transport of boxes or packages in warehouses and distribution centers
- Movement of work-in-process (WIP) in a manufacturing environment
- Transport of WIP between automated manufacturing cells

Specifications

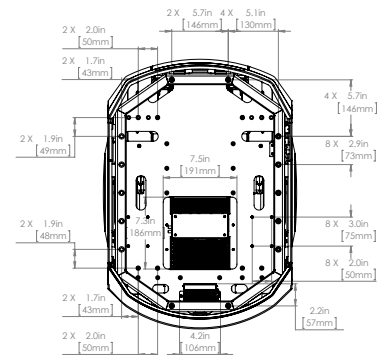
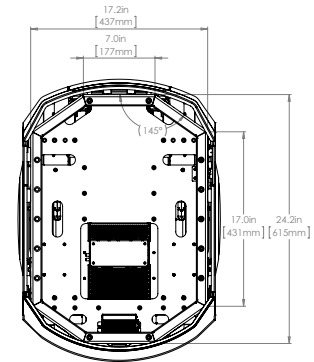
Weight	80 kg (176 lbs)
Payload	
Level Surface	40 kg (88 lbs)
Power	
Battery	22-29 VDC LiFePO ₄
Capacity	60 Ah
Run Time	10 hours (continuous)
Recharge Time	3.5 hours (5:1 ratio)
Battery Life	7 years
	16 hr/day, 5 days/wk
Charging Station	Automatic (optional)
Auxiliary Power	5, 12, 20 VDC
Mobility Overview	
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)

CUSTOM CONFIGURATION

ADEPT LYNX CONVEYOR

Dimensions: Adept Lynx Conveyor (mm)

CUSTOM CONFIGURATION



The Adept Lynx Conveyor 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:

- MobilePlanner™ and MobileEyes™ software package
- Enterprise Manager Lite
- Call buttons
- Door interface
- 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 (4x)
- Light pole
- 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

www.adept.com

Specifications subject to change without notice.

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