



ATLAS is a powerful robot in the form of an adult human. It moves with a variety of lifelike and natural behavior, including dynamically-balanced walking, calisthenics, manipulation and user-programmed tasks. See video of PETMAN, the predecessor to ATLAS in action at:

<http://www.youtube.com/user/BostonDynamics>.

- Near-human anthropometry
- 2 arms, 2 legs, torso and head.
- 28 hydraulically-actuated high-performance joints with closed-loop position & force control
- On-board real time control computer
- Electric power & network tether
- Crash protection
- Modular wrists accept 3rd party hands
- Head-mounted sensor package with LIDAR, stereo cameras, dedicated sensor electronics and perception algorithms.

Specifications *(subject to change)*

Size:

Weight: 330 lbs (150 kg)

Height: 74" (1.88 m)

Chest Depth: 22" (0.56 m)

Shoulder Width: 30" (0.76 m)

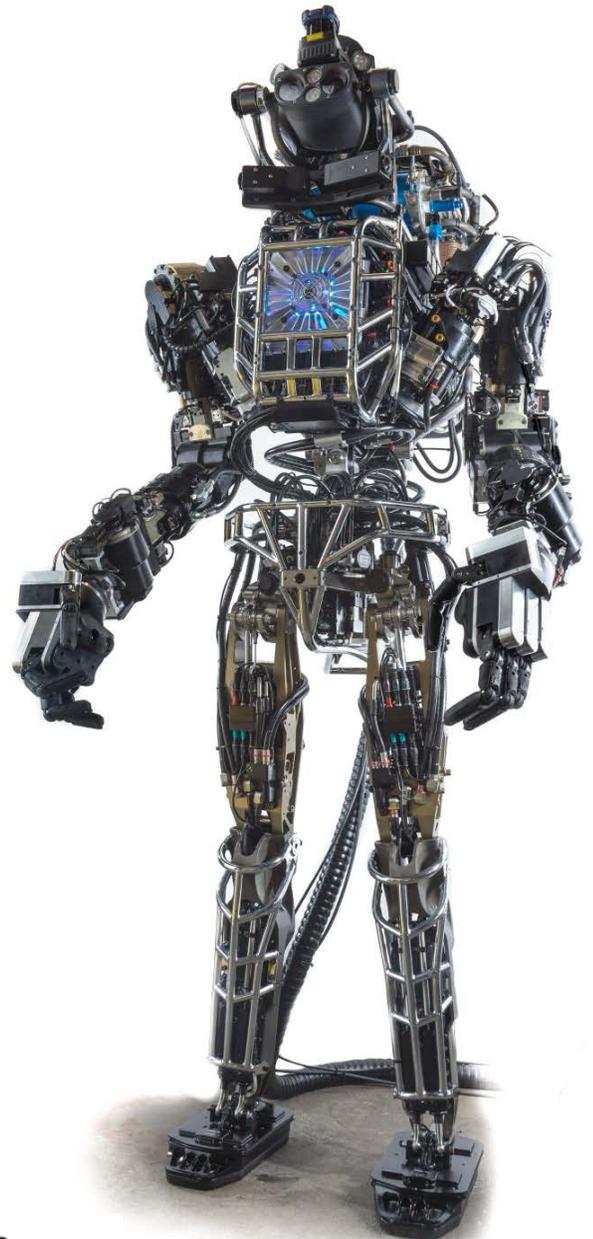
Required Power

480V 3-phase at 15 kW

Interface

10 Gbps Fiber Optic Ethernet

C++ and ROS APIs



Carnegie Robotics
Sensor Head



iRobot Hand

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