



## SoftBank Robotics NAO

An autonomous, programmable humanoid robot, featuring an inertial measurement unit with accelerometer, gyrometer and four ultrasonic sensors. Force-sensing resistors on legs for adaptive walking. Microphones, Ethernet and Wi-Fi connectivity, 2 cameras with face detection. Linux-based operating system. Compatible with the Microsoft Robotics Studio, Cyberbotics Webots, and the Gostai URBI Studio.

### Key Features

- CPU: Intel Atom @ 1.6 GHz
- Compatible OS: Windows, Mac OS, Linux
- Programmable using Python, C++, Java, MATLAB
- Two HD cameras, four microphones, sonar rangefinder, two infrared emitters and receivers, inertial board, nine tactile sensors, eight pressure sensors

### Possible Applications

- Robot/Robot Interaction
- Robot Listening and Speaking Experiments
- Environment Perception
- Education



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## Access information

<b>Corresponding infrastructure</b>	University of the West of England Bristol Robotics Laboratory
<b>Location</b>	Coldharbour Ln, Stoke Gifford, Bristol BS16 1QY, UK
<b>Unit of access</b>	Working day

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## Technical specifications

<b>DoA</b>	25
<b>Interface</b>	Ethernet, Wi-Fi
<b>Autonomy</b>	90 minutes (lithium battery providing 48.6 Wh)
<b>Weight</b>	4.3 kg
<b>Height</b>	58 cm

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## Additional information

Additional information available [here](#).