

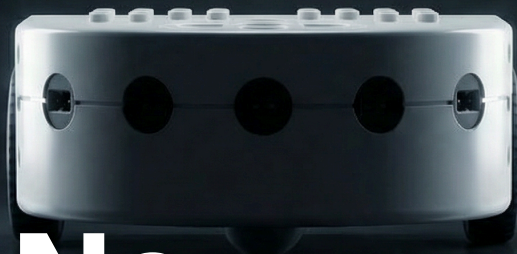


Thymio 3

The Next Generation
Educational Robot

Learn. Code. Create.

What's New



Six innovations redefining Thymio's classroom robotics



Color Sensor

Ground-facing RGB sensor enables color-based programming. New Musician behavior maps detected colors to musical notes.



Precision Gyroscope

3-axis accelerometer and gyroscope. Sequence up to 16 geometric shapes with an exceptional rotational accuracy.



Enhanced Audio

Dedicated audio chip, MP3 playback, improved speaker. Record, store & play sounds from internal memory.



Native MicroPython

Program directly in MicroPython via online editor. Auto-complete, full sensor and actuator access.



51 LEDs

2x8 Lego-compatible display matrix, body RGB LEDs, sensor feedback LEDs. Visual status & communication.



Modular Hardware Port

Internal port for hardware add-ons. Open architecture for STEAM & Maker and extensions. *Available early 2027*

4 NEW Built-in Learning Behaviors

Pre-programmed behaviors - no setup required

The Automaton

Plan routes using arrow buttons and record up to 16 movement sequences. Introduction to programming concepts through physical movement.



The AI Learner

Watch Thymio learn to avoid obstacles through embedded AI. Observe errors and real-time progress. AI education made tangible.



The Musician

Color sensor detects surface colors and transforms them into musical notes. Create, read, and guess melodies with color-coded compositions.



The Artist

Draw geometric figures with precision using the gyroscope. Classify shapes, combine drawings, and explore geometry hands-on.



Constant Innovation



thymio.Lab

One Platform. 3 Languages. Limitless creativity

ThymioLab is a breakthrough for teachers, offering a zero-install, web-based hub that removes technical barriers. It bridges **Thymio 2** and **Thymio 3**, allowing students to progress seamlessly with **vpl.Lab**, **scratch.Lab** and **py.Lab** (native MicroPython). By providing a unified interface for sensor visualization and multi-language support, it simplifies classroom management and sets the stage for future AI and IoT exploration.



vpl.Lab

Visual Programming

Beginner

2 difficulty levels, customizable.
Perfect for beginners ages 6+



scratch.Lab

Block-Based Coding

Intermediate

Drag-and-drop programming for
interactive learning



py.Lab

MicroPython
Text-Based Coding

Advanced

Real programming language for
advanced students

Platform Features



Web-Based

Runs in Chrome
browser, no installation
required



Cross-Platform

Tablets, Chromebooks,
Laptops, PCs,
Smartphones



Multi-Language

FR, EN, DE, IT



User Management

Profiles, activity logs,
saving, etc.



Analytics

Usage date, CVS export



Retro Compatible*

Works with Thymio 2,
vpl.Lab, scratch.Lab and
Aseba.



Wireless Updates

Built-In Firmware
updates



No Account Required

Use Instantly



System Compatibility



*Thymio 2 remains accessible with ThymioSuite



Technical Specifications

Thymio 3 - Palm-sized fully equipped Robot



Dimensions	107 x 120 x 56 mm
Weight	270 g
Battery	3.7V 1500 mAh Li-Po
Charging	USB-C
Battery Life	3 to 6 hours *
Connectivity	Bluetooth
Max Speed	14 cm/s
Sensors	7 horizontal IR sensors, 2 ground IR sensors, 1 ground RGB color sensor, 1 gyroscope, 1 an accelerometer, 1 microphone, 1 remote control IR receiver, 5 capacitive buttons
Actuators	51 LEDs 2 DC motors 1 speaker
Programming	vpl.Lab scratch.Lab py.Lab
Cable	USB-C to USB-C 0.8m REACH certified
Operation	Button On/Off
Packaging dimensions	167 x 124 x 62 mm

* Depending on terrain, speed and LED usage.



In the Box



Thymio 3
Robot

User-guide

USB C
cable

Robotic
mat

MOBSYA

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Wireless firmware
updates



Bluetooth
connection



Multi-language support
EN FR DE IT

Start Teaching with Thymio 3

Available for schools and institutions
Starting from September 2026

thymio.org →