

Dimensions & Weight

Diameter: 3.3 in (84 mm)

Depth: 1.07 in (27.25 mm)

Weight: 4.9 oz (139 g)

Display

2.4-inch QVGA IPS liquid crystal display (240 x 320 pixels) with digital brightness enhancement film and mirrored glass lens

Sensors

Motion

Temperature

Humidity

Capacitive touch

Ambient light

Power

Primary power

From HVAC system wires

Battery backup

2 AAA 1.5V alkaline batteries

Power consumption

Less than 1 kWh/month

Connectivity

Wi-Fi

802.11b/g/n 2.4 GHz, 802.11a/n 5 GHz Wi-Fi

Wireless interconnect

Bluetooth Low Energy

Compatibility

The Nest Thermostat works with most 24V heating and cooling systems, including furnaces, air conditioners, boilers, and heat pumps with either forced air or radiant delivery.

It works with conventional systems that have one stage of heating and cooling and a second stage of either heating or cooling.

It works with heat pumps that have one stage of heating and cooling and either aux or emergency heat.

And it works with HVAC fans.

The Nest Thermostat is designed to work if your home doesn't have a common ("C") wire. In some cases, particularly if you have a heating- or cooling-only system or use a zone controller, a C wire or other power-supply accessory may be necessary. See g.co/nest/cwire for details.

[Check compatibility](#)

Multi-zone control

Works with multi-zone systems (one thermostat required per zone).

Voice control

Works with Hey Google and Alexa.

Voice control requires a compatible device.

Accessories (sold separately)

Trim plate

Covers cosmetic wall imperfections that may be left behind when an old thermostat is removed (optional).

Steel plate

Required if your thermostat is installed on an electrical box.

Sustainability



Post-consumer recycled materials

All plastic components are made with 49% post-consumer recycled materials.

Learn more about Nest's sustainability initiatives at g.co/store/sustainability

Languages



English • French • Spanish

What's in the box

Nest thermostat display
Nest thermostat base
Mounting screws and wire labels
Installation Guide

Requirements

Compatible HVAC system
Wi-Fi internet connection
Phone or tablet (iOS or Android)
Google Home app

Certifications

ENERGY STAR® certified thermostat.



The Nest Thermostat's energy-saving features earned an ENERGY STAR® from the EPA.*