




# pi-top [3] Kit - Technical Specification Document

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## Display

Item	Specification
Resolution	Full HD (1920x1080) LCD Screen
Screen Size	14"
Screen degree of rotation	180°



## Battery & Power

Item	Specification
Charge Time	1.5 hrs
Discharge Time	8-10 hours
Battery Type	Built in 38.85 Watt-hour (11.1V, 3500mAH) Lithium Polymer Battery
Power Supply	18V @ 2.5A

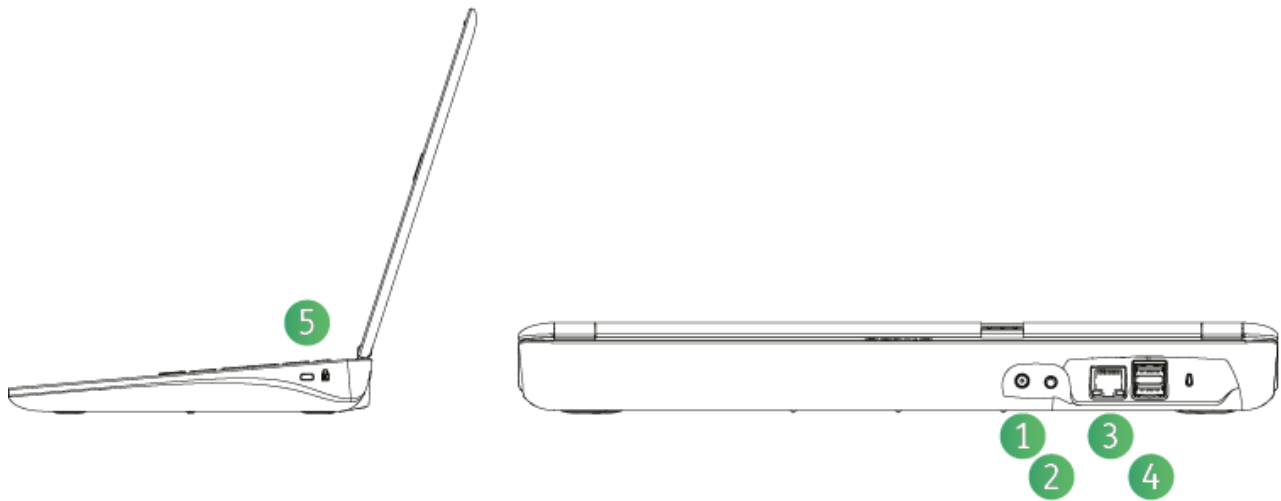
## Modular Rail

Item	Description
Single-Board-Computer	Allows most single-board-computers to be connected allowing SBCs to be used instantly without the need to connect other peripherals. <b>Recommended use with a Raspberry Pi 3B+.</b>
Magnetic Rail	Magnetic sliding rail used for pi-top[3] Accessories
Cooling Bridge	Patented Cooling Bridge Technology. Passively cools the Raspberry Pi to allow for extended use
GPIOs	General Purpose Input/Outputs. Hardware pins that can be controlled by the Users. Containing I2C, SPI, UART, I2S.

<b>SD Card Removal Tool</b>	Magnetic Tool to be used to remove SD cards or to be used as a screwdriver
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## Ports

Label	Description
1	Power Jack
2	Audio Jack
3	Ethernet Port
4	2 x USB 2.0 Ports
5	Kensington Lock

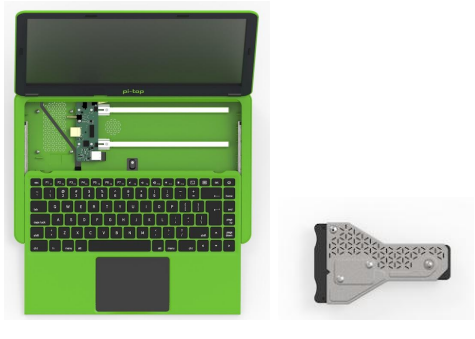


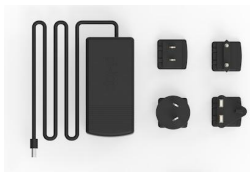


## Inside the pi-top [3] packaging

Item	Image
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# pi-top Technical Specification

pi-top [3]

<p>pi-top [3] with Cooling Bridge</p>	 A green pi-top [3] laptop is shown with a silver cooling bridge attached to its back. To the right of the laptop is a separate view of the cooling bridge component.
<p>Getting Started Guide</p>	 The cover of the 'Getting Started' guide features a photograph of three people sitting on a couch and looking at a laptop. The pi-top logo is in the top left, and the text 'GETTING STARTED' is in the bottom right.
<p>Inventors Kit</p>	 The Inventors Kit components are laid out on a white surface. It includes a pi-top keyboard, a blue Raspberry Pi board, a white USB-C to USB-A adapter, a set of white breadboard jumpers, several blue and black push buttons, and three LEDs in red, yellow, and green.
<p>Power Supply Unit</p>	 The Power Supply Unit components include a black power supply brick with a white power cord, a black USB-C to USB-A adapter, a black USB-A to USB-B adapter, and a black USB-B to USB-A adapter.



## pi-top [3] Getting Started Guide

The Getting Started Guide documents the Building Instructions that each user is to follow when setting up their pi-top [3] for the first time.

Supplied with the Getting Started Guide is a 16GB SD card preloaded with the pi-top OS. The pi-top OS is also free to download via the pi-top website <https://www.pi-top.com/products/os>

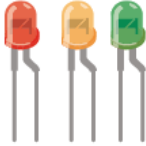
## pi-top [3] Inventor's Kit

Create your own creations with your inventor's kit. It includes several components that allows you to explore 20+ projects which you can complete with the step-by-step guide.

# pi-top Technical Specification

pi-top [3]

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## LEDs

LEDs (light-emitting diodes) are little devices that emit light when an electric current flows through them.



## Jumper Cables

Allow you to connect components together on the pi-topPROTO+.



## Light Sensor

Detects the amount of light – useful for robots to interact with their environment.



## Metal Wire

Electricity can flow through it, you can use it for all sorts of projects.



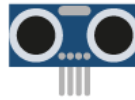
## Resistor

Controls the amount of electricity that flows through a circuit.



## Temperature Sensor

This will change its resistance depending on the temperature around it.



## Ultrasonic Sensor

Measures the distance to an object by using an ultrasound pulse.



## Sound Sensor

Measures and reacts to changes in volume.



## Capacitor

An electrical component that stores electric charge – a little like a battery.



## Button

Allows or blocks the electricity flow around a circuit.



## Variable Resistor

Allows you to control the amount of electricity that flows through it.



## Buzzer

Will make a loud noise when electricity is passed through it.

# pi-top Technical Specification

pi-top [3]

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