What's new?

*Comparison of the original **pi-top** and the new **pi-top***

The new **pi-top** now has a full-sized sliding keyboard and central trackpad. The sliding keyboard reveals your modular magnetic rail to build your electronics and experiments. You get easy access to all external ports via the back of the device. Additionally, there now is a specially designed in-built passive Cooling Bridge for faster, stable processing with the Raspberry Pi micro-PC.

This is the perfect Christmas present for makers, tinkerers, explorers and inventors of all ages. Create and invent in the digital and, more importantly, physical world. Get 'behind-the-scenes' on how everyday gadgets work through hours of fun hands-on projects. Inspiring anyone at any age to invent or explore as a family, together at home.

We're including a free inventor's kit with every new **pi-top** purchased, including 20+ different projects you can get hands-on with straight out of the box. With the provided cardboard cut-out robots, spaceships and more, the projects instantly come to life - you just need to build the brains and circuits! With over 20 inventions to choose from - explore beyond the keyboard and screen by creating computer science and basic electronics inventions using the step-by-step guides in the **pi-top**CODER app and supported by our new Inventor's Guide booklet which is included with every new **pi-top** sold with an inventor's kit.

- New generation of laptops - simple, engaging and versatile technology to explore, create and invent
- Includes an inventor's guide booklet highlighting over 20 hands-on projects you can start playing with
- Use the **pi-top**CODER app with simple step-by-step interactive guides to build your inventions. It is a large online library of fun and engaging projects - exclusive to **pi-top**

*Highlight new key technical features of the new **pi-top***

- Vivid colours with 14" 1920x1080 FHD LCD display screen
- Sliding keyboard - reveals magnetic rails for hands-on building of invention and adding your own hardware projects!
- Flexible 180°Lid for a wide variety of viewing angle
- 8+ hours of battery life
- More muscle from the Raspberry Pi microcomputer with integrated special **pi-top** custom Cooling Bridge
- Full OCR (Oxford Cambridge RSA Review Board) endorsed software suite (**pi-top**OS Polaris) bundled on the 8GB SD Card with hundreds of hours of project based learning on board.

	Original pi-top	New pi-top
Assembly	23 building steps	6 building steps
Hardware		
Computer / Processor	Raspberry Pi 3 (optional)	Raspberry Pi 3 (optional)
Keyboard	Compact keyboard *(smaller form factor)* ● US / UK QWERTY ● DE ● LATAM	Full-sized keyboard *(standard form factor)* ● US QWERTY
Trackpad	● Right-aligned ● Tap-to-click and physical mouse buttons ● 65 x 49mm	● Central-alignment ● Left and Right tap-to-click ● 104x75mm
Display	● 13.3" HD TFT LCD 1080p ● Anti-glare ● 1366 x 768 resolution ● eDP 1.2 interface ● 262k colours ● 3W power consumption ● 125° Lid Opening Angle	● 14" 1920x1080 FHD LCD screen ● Anti-glare ● 1920x1280 resolution ● eDP 1.2 interface ● Colors: 262k ● 4.07W power consumption ● 180° Lid Opening Angle
Cooling Bridge	Standard Heatsink	Specially designed passive cooling mechanism increasing the processing power
Ports	External ports accessed on the right side: ● 4x USB 2.0 ● 1x 10/100 Fast Ethernet External ports accessed by acrylic slice removal: ● 1x Audio Jack (stereo) External ports accessed on the left side: ● 1x Power plug	External ports accessed from the rear: ● 3x USB 2.0 ● 1x 10/100 Fast Ethernet ● 1x Audio Jack (stereo) ● 1x Power plug

Modular Rail	● Protected by Acrylic Slice ● Screw-in rail for accessories	● Protected under the sliding keyboard ● Easy magnetic rails for accessories
Battery	● 10 hour battery life ● 43-watt-hour	● 8 hour battery life ● 38.85 watt-hour ● 11.1V
Colour	Green or grey	Green with grey bezel
Chassis	Comes as construction kit to build parts together	Limited construction
Product dimensions	341x209mm	45x220x40mm
Weight	2.5kg	1.5kg
Software		
SD Card	8 GB SD with pi-topOS Release 2017-07-25	8 GB SD with pi-topOS Release 2017-09-29
Software **pi-top**OS Polaris	Multiple Language Support	
	Alexa Functionality	
	Worksheet Filtering and searching	
	Inventors pathway worksheets	
	Fully backwards compatible OS	
Peripherals		
Power supply	Country specific	International (UK, US, EU, AU)
Inventor's kit	No	Yes
Kensington lock compatible	No	Yes
Multi-Tool	No	Yes