**Farnell element14 announces the launch of the new**

**Raspberry Pi 3 Model B+**

*Upgraded Raspberry Pi has a more powerful CPU, offers faster Ethernet and dual-band wireless networking*

**London, United Kingdom, 14 March 2018** – Farnell element14, the Development Distributor, is pleased to announce the launch of the [Raspberry Pi 3 Model B+](http://uk.farnell.com/buy-raspberry-pi), the fastest and most powerful version yet, perfecting the already outstandingly successful Raspberry Pi 3 Model B.

Built on a new quad-core Broadcom BCM2837 64-bit application processor running at 1.4GHz, the Raspberry Pi 3 Model B+ is over 15% faster than the Raspberry Pi 3 Model B, delivering increased performance for both professional and maker markets. Further enhancements address the needs of the growing professional design market using the board as an embedded device, including:

* Dual-band wireless LAN: a new Cypress networking device, delivering 2.4GHz and 5GHz IEEE 802.11ac wireless LAN and Bluetooth 4.2 capability
* Improved thermal management
* Faster Ethernet (Gigabit Ethernet over USB 2.0, maximum throughput of 300Mbps)
* Power over Ethernet (PoE) enabled RJ45 providing PoE support via a new PoE HAT

The wireless subsystem also comes with modular compliance certification, which allows the board to be designed into end products with significantly reduced requirements for wireless compliance testing, improving both cost and time to market.

“As the leading manufacturer and distributor of the Raspberry Pi, we are delighted to be able to offer our customers an even faster and more powerful board at the same competitive price point as the previous model” **says Peter Wenzel, Global Director of Raspberry Pi, Single Board Computers, and Software at Premier Farnell and Farnell element14**. “The Raspberry Pi family, coupled with our wide range of popular and exclusive accessories, provides hobbyists, makers, engineers and business of all sizes with a solution for every stage of the development process.”

**Eben Upton, CEO of Raspberry Pi Trading said:** “When we launched the Raspberry Pi 3 two years ago, we expected to see an increase in its use as an embedded product, especially in IoT related projects. We have been delighted by the take-up of the board by professional design engineers. Today’s launch of the Raspberry Pi 3 Model B+ is our response to that success, aimed at perfecting the board for a wide range of applications. The new board has faster processing, faster wired networking and improved wireless connectivity; and with modular compliance certification and the same extraordinary support provided through communities and forums, users can learn, create and bring products to market faster than ever before. We hope you like it as much as we do.”

Power over Ethernet will be provided via a new official PoE add-on board for the Raspberry Pi available to buy from Farnell element14 from Summer 2018.

The Raspberry Pi 3 Model B+ is available to buy as a standalone board and as an exclusive element14 Starter Pack including a 16GB Micro-SD Card with NOOBS pre-installed, the official Raspberry Pi 2.5A Power Supply, and the official Raspberry Pi Case. Visit [Farnell element14](http://uk.farnell.com/buy-raspberry-pi) in Europe, [element14](http://sg.element14.com/buy-raspberry-pi) in APAC and [Newark element14](http://www.newark.com/buy-raspberry-pi) in North America. The Raspberry Pi 3 Model B+ is also available to buy from [forthings.io](http://www.forthings.io/) in the [UK](http://www.forthings.io/) and [Ireland](https://www.forthings.io/wps/portal/eu/!ut/p/z1/04_Sj9CPykssy0xPLMnMz0vMAfIjo8zifRwtXT0cDYx83H0CTA0czY39DD2djY0NvI31w_Wj9KOASgxwAEcD_eDUvPhgV_2C7LxyAAfSXcU!/dz/d5/L0lHSkovd0RNQUZrQUVnQSEhLzROVkUvZW5fSUU!/), [Spain](https://www.forthings.io/wps/portal/eu/!ut/p/z1/04_Sj9CPykssy0xPLMnMz0vMAfIjo8zifRwtXT0cDYx83H0CTA0czY39DD2djY0NvI31w_Wj9KOASgxwAEcD_eDUvHg3T_2C7LxyABWheYc!/dz/d5/L0lHSkovd0RNQUZrQUVnQSEhLzROVkUvZW5fRVM!/), [Denmark](https://www.forthings.io/wps/portal/eu/!ut/p/z1/04_Sj9CPykssy0xPLMnMz0vMAfIjo8zifRwtXT0cDYx83H0CTA0czY39DD2djY0NvI31w_Wj9KOASgxwAEcD_eDUvHjXYP2C7LxyAHWa3BQ!/dz/d5/L0lHSkovd0RNQUZrQUVnQSEhLzROVkUvZW5fREs!/), [Finland](https://www.forthings.io/wps/portal/eu/!ut/p/z1/04_Sj9CPykssy0xPLMnMz0vMAfIjo8zifRwtXT0cDYx83H0CTA0czY39DD2djY0NvI31w_Wj9KOASgxwAEcD_eDUvHg3T_2C7LxyABWheYc!/dz/d5/L0lHSkovd0RNQUZrQUVnQSEhLzROVkUvZW5fRkk!/) and [Sweden](https://www.forthings.io/wps/portal/eu/!ut/p/z1/04_Sj9CPykssy0xPLMnMz0vMAfIjo8zifRwtXT0cDYx83H0CTA0czY39DD2djY0NvI31w_Wj9KOASgxwAEcD_eDUvHgXb_2C7LxyADcRLl0!/dz/d5/L0lHSkovd0RNQUZrQUVnQSEhLzROVkUvZW5fU0U!/) and its [CPC](http://cpc.farnell.com/) business in the UK.

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**Notes to editors**

Raspberry Pi 3 Model B+ offers backwards compatibility by following the same mechanical footprint as the Pi 2 and Pi 3 Model B, and includes:

* Broadcom BCM2837B0, quad-core ARM Cortex-A53 64-bit SoC @ 1.4GHz
* 1GB LPDDR2 SDRAM
* 2.4 GHz and 5 GHz IEEE 802.11ac wireless, Bluetooth 4.2, BLE
* Gigabit Ethernet over USB 2.0 (maximum throughput of 300Mbps)
* 40pin extended GPIO
* CSI camera port for connecting the Raspberry Pi camera
* DSI display port for connecting the Raspberry Pi touch screen display
* 4 x USB 2 ports
* 4 pole Stereo output and Composite video port
* Full size HDMI
* H.264, MPEG-4 decode (1080p30). H.264 encode (1080p30). OpenGL ES 1.1, 2.0 graphics
* Micro SD port for loading your operating system and storing data

The official Power over Ethernet add-on board for Raspberry Pi is compatible with the Raspberry Pi 3 Model B+ and onwards and includes the following features:

* 802.3af PoE
* Class 2 device
* Fully isolated SMPS
* 36–56V input voltage
* 5V output voltage, 2.5A output power
* Fan control

You can find more details and supporting imagery related to this press release on our newsroom: [www.element14.com/news](http://www.element14.com/news)

**About us**

[Farnell element14](http://farnell.com/) and [forthings.io](http://www.forthings.io/) are part of the [Premier Farnell](http://www.premierfarnell.com/) group of businesses, a global technology leader with over 80 years in the high service distribution of technology products and solutions for electronic system design, production, maintenance and repair. Premier Farnell uses this experience to support its broad customer base, from hobbyists to engineers, maintenance engineers and buyers as ‘The Development Distributor’, working with leading brands and start-ups to develop new products for market, and supporting the industry as it seeks to develop the current and next generation of engineers.

Premier Farnell is a business unit Avnet, Inc., (NYSE:AVT). Premier Farnell trades as [Farnell element14](http://uk.farnell.com/) in Europe, [Newark element14](http://www.newark.com/) in North America, and [element14](http://sg.element14.com/) throughout Asia Pacific. The Premier Farnell Group is supported by a global supply chain of more than 3,500 suppliers and has an extensive inventory profile developed to anticipate and meet the needs of innovative customers everywhere.

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For more information, visit the website at <http://www.premierfarnell.com>

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