Raspberry Pi 4 set to drive low-cost digital transformation

- *Next generation of best-selling British PC will dramatically cut the cost of digitally transforming business processes, products and services.*

- *Bringing PC-equivalent performance to the sub-$50 price bracket, Raspberry Pi 4 is the natural choice for developing and deploying industrial IoT applications.*

- *New 4K dual-screen capability increases the tiny computer's suitability for thin client installations, where two monitors are often needed.*

- *Gigabit Ethernet, wireless networking and enhanced serial interfaces support networked monitoring and control of a broad range of industrial equipment.*

24th June, 2019 – Raspberry Pi today launches its next-generation Raspberry Pi 4, a significantly faster and more capable version of the popular industrial single-board computer. Starting at only $35, it will enable the creation of cost-effective industrial IoT applications, accelerating digital transformation across a range of industries.

Offered in 1GB, 2GB and 4GB variants, Raspberry Pi 4 can serve both as a low-cost, low-power embedded controller and as a full-featured Linux workstation. For the first time it will be possible to both develop and deploy industrial IoT applications on a single common hardware platform.

Combining Gigabit Ethernet, 802.11ac wireless networking, and Bluetooth 5.0, with a full set of standard serial interfaces, Raspberry Pi 4 is the ideal bridge between the physical world and the network. It can serve as a leaf node in an IoT network, or as a data aggregator for a large network of even lower-cost sensors. With a powerful quad-core ARM Cortex-A72 processor running at 1.5GHz, it is able to perform sophisticated local processing, reducing upstream bandwidth requirements, and helping to address privacy concerns in distributed machine-learning applications.

The ability to decode high-dynamic-range 4Kp60 HEVC video, and to drive two simultaneous HDMI displays at resolutions up to 4K, means that Raspberry Pi 4 better suited than ever to multimedia applications: examples include digital signage, where one unit can now control two independent panels, and high-end thin client installations.

Previous Raspberry Pi models are used in a broad range of industrial and commercial contexts, from hotel chains, to hydrogen fuel stations, to the 'smart' factories of blue-chip organisations including Sony[1]. Their popularity results from a winning combination of low cost, high reliability, ready availability and an embrace of open source software and open standards. Raspberry Pi 4 continues in this tradition, providing enterprises of all sizes with access to the tools they need to digitally transform their business. As with all

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[1] https://www.forbes.com/sites/parmyolson/2019/03/10/how-sony-sped-up-a-factory-with-these-tiny-35-computers/#3bf066067d20

Raspberry Pi products, a high level of backward compatibility facilitates migration of existing Raspberry Pi powered systems to the new model.

Raspberry Pi co-founder Eben Upton said: "Just as we help make coding more accessible for consumers, we also aim to democratise digital innovation in businesses and public services. Today, over 50% of our $35 Raspberry Pi units are destined for industrial and commercial use; Raspberry Pi 4 builds on this success, providing greatly increased performance at the same low cost. We aim to create equality of opportunity across our digital economy, by providing a low-cost platform for technological innovation that is accessible to every organisation, from start-ups to multinationals."

Raspberry Pi 4 is available to buy today from Raspberry Pi's licensee partners element14 [url] and OKdo [url], and from its global network of Approved Resellers.

About Raspberry Pi

The Raspberry Pi Foundation is a UK-based charity that works to put the power of computing into the hands of people all over the world. We do this so that more people are able to harness the power of computing and digital technologies for work, to solve problems that matter to them, and to express themselves creatively.

We provide low-cost, high-performance computers that people use to learn, solve problems and have fun. We provide outreach and education to help more people access computing and digital making. We develop free resources to help people learn about computing and how to make things with computers, and train educators who can guide other people to learn.

Find out more at www.raspberrypi.org

References: