**Newark element14 Introduces Avnet SmartEdge IoT Gateway: A Low-Cost Device for Industrial Applications**

*Demonstrated at Embedded World Exhibition, Nuremberg, Germany, 26-28 February 2019*

**Chicago, Illinois, 26 February 2019:** [Newark element14](http://www.newark.com/), the Development Distributor, introduces the exclusive Avnet SmartEdge Industrial IoT Gateway; a new low-cost industrial gateway powered by Raspberry Pi. The Avnet SmartEdge Industrial Gateway will be showcased at Embedded World, Nuremberg, Germany from 26-28 February 2019 on stand 1-370.

The Avnet SmartEdge Industrial IoT Gateway enables seamless and secure connectivity to the cloud through Avnet’s IoT Connect platform running on Microsoft Azure, and is ideal for developing industrial automation applications such as, remote monitoring, predictive maintenance, process control and automation.

The gateway addresses key requirements for customers across a wide range of industrial applications – including additional ports to handle industrial protocols and a trusted computing module for added security on the hardware.

Connectivity options include a full set of industrial peripherals which include CAN-BUS and RS-232/ 485 (Modbus and DeviceNet) interfaces, isolated digital I/O and dual 10/100 Ethernet, with wireless connectivity including WiFi at 2.4 GHz and BLE 4.2 via an integrated antenna with external connectivity, plus an mPCIe interface for cellular modems. Power is via a 12-24 V DC input, and an HDMI display output is also incorporated. It is based on an 8 Gbyte EMMC which replaces the standard SD memory card, with security guaranteed by an onboard TPM 2.0.

The device also has the 40-pin expansion header to link with a range of devices from the ecosystem of HATs and other accessories.

The enclosure features space for an additional internal accessory to provide Zigbee, Z-Wave, or LoRa communications capabilities, for example, or for multiple accessories through case expansion. Mounting options include DIN rail, wall or free-standing.

“The Avnet SmartEdge Industrial IoT Gateway offers a level of simplicity, capability and accessibility never before achieved in this environment”, says **Ralf Buehler, Senior Vice-President, Product Marketing & eCommerce, at Newark element14.** “This new and exclusive product represents the value that Newark can add to customers as part of Avnet’s unique ecosystem, creating opportunities to develop new solutions for customers, based on strong existing relationships with the Raspberry Pi Foundation.”

**Lou Lutostanski, VP, Internet of Things, Avnet** adds **“**Developers familiar with prototyping on a Raspberry Pi device will find it a straightforward task to bring their designs to a production environment without ever having to switch platforms.”

Newark element14 will demonstrate the Avnet SmartEdge IoT Gateway at Embedded World on stand 1-370 where it is co-located with its sister company, Avnet Silica. The demo will show a predictive maintenance application that features a range of industrial sensors mounted on a motor, that sends sensor readings to the Industrial IoT Gateway using common industrial protocols.

The Avnet SmartEdge Industrial IoT Gateway will be available from the summer from [Farnell element14](https://element14.com/gateway) in Europe and [Newark element14](https://element14.com/gateway) in North America.

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**Notes to Editors**

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