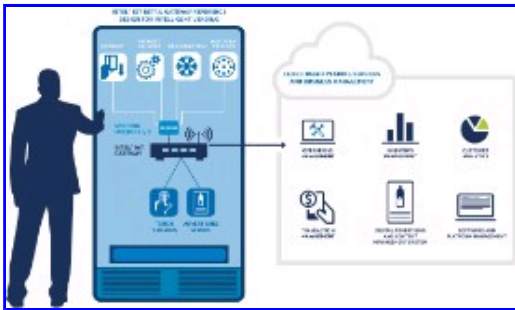May 4, 2015

Vending-Specific Gateway, N&W Global Vending Collaboration Announced

NEWS HIGHLIGHTS

- Intel today announced the Intel® IoT Retail Gateway Reference Design for Intelligent Vending, an integrated, pre-validated and flexible design which includes including hardware, software and security building blocks to speed up development and deployment of smart vending machines.
- N&W Global Vending* will be at the Intel booth at the VendItalia 2015 International Vending Exhibition in Milan, offering a sneak preview of the first prototype of a vending machine based on the latest Intel technologies.
- Now available from Intel® Internet of Things Solutions Alliance members, including Advantech*, Gigabyte* and Jabil*.

The Intel® IoT Retail Gateway Reference
Design for Intelligent Vending

SANTA CLARA, Calif., May 4, 2015 – The Internet of Things (IoT) has become a powerful driver of business transformation. The Internet of Things will include 50 billion units installed by 2020, according to IDC. This surge in connectivity is making an impact across industries, including vending where global shipments of intelligent vending machines are forecasted to reach around 2 million units by 2016, with both new and retrofit markets combined[1].

However, there are significant costs and complexities associated with retrofitting the large amount of existing equipment that is not currently connected, managed or secure. To address this interoperability issue, Intel Corporation today announced the Intel IoT Retail Gateway Reference Design for Intelligent Vending. The gateway is built using the Intel® IoT Platform.

Building on previous Intel® reference designs, the Intel IoT Retail Gateway Reference Design for Intelligent Vending integrates pre-validated building blocks that facilitate the integration of multiple compute workloads. Examples include vending machine controller, touch screen, telemetry, digital advertising, payment and transaction management, as well as simplification of integration with back office applications. Adopting proven compute models enables vending machine manufacturers and vending operators to focus on innovation, reduce development time and investment risk while differentiating themselves by moving to a powerful PC-based platform.

"By consolidating multiple workloads onto a single vending platform, manufacturers can free up time to focus on meeting the increasing expectations of today's tech-savvy consumers," said Jose Avalos, worldwide director of visual retail at Intel. "For

example, customers can integrate new natural user interfaces, social media capabilities, loyalty programs and nutritional information – all of which will have a positive impact on the consumer's vending experience."

The Intel IoT Retail Gateway Reference Design for Intelligent Vending is based on the Intel® Atom™ processor E3815 system-on-chip (SoC) and includes the Intel® IoT Gateway software stack. The compute board is based on the Intel® Reference Design for Digital Signage, which vending machine manufacturers can make or buy. The gateway solution also includes a vending machine I/O board and a vending machine API, both outlined in the Intel® Reference Design for Intelligent Vending.

In support of the Intel® Reference Design for Intelligent Vending, N&W Global Vending* will be at the Intel booth at the VendItalia 2015 International Vending Exhibition in Milan (Pav. 18 stand B36 C37) May 3-6, offering a sneak preview of the first prototype of a vending machine based on the latest Intel technologies. The companies collaborated to create the innovative solution, concentrating their efforts and the best technologies to meet the needs of the market, improving the user experience and the management of vending machines.

Intel-based solutions for vending are also available from Intel® Internet of Things Solutions Alliance members including Advantech*, Gigabyte* and Jabil*.

About Intel
Intel (NASDAQ: INTC) is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. As a leader in corporate responsibility and sustainability, Intel also manufactures the world's first commercially available "conflict-free" microprocessors. Additional information about Intel is available at newsroom.intel.com and blogs.intel.com and about Intel's conflict-free efforts at conflictfree.intel.com.

Intel and the Intel logo are trademarks of Intel Corporation in the United States and other countries.

*Other names and brands may be claimed as the property of others.

1 Frost & Sullivan (2012)