

Application-ready Intel® IoT Gateways Turn Edge Data into Value

Next-generation Intel IoT Gateways offer increased choice and flexibility for diverse market segments

June 2, 2015 — Intel today introduced the expansion of the Intel® IoT Gateway product family to give developers and the ecosystem the flexibility to create and deploy innovative, cost-effective IoT solutions for a range of diverse market segments including smart cities, smart manufacturing, smart retail, smart transportation, and smart buildings. The latest version offers expanded choice in silicon, software and services to enable solutions to scale in performance and get to market more quickly.

The Internet of Things (IoT) industry is expected to be a multitrillion-dollar global industry with an install base of 50 billion things in the market by the end of 2020¹. While new devices are deployed every day, IMS Research estimates that more than 85 percent of existing equipment is not currently connected. Intel® IoT Gateways provide a reference design that enables seamless and secure data flow between edge devices and the cloud, simplifying the process of connecting both legacy and new systems. With compute-enabled intelligence at the edge, businesses can be smarter, create new revenue streams, and save money on data transmission, storage, and analysis.

Increased Choice and Flexibility

- The newest Intel IoT Gateway reference designs offer expanded choice in silicon, software and services, enabling solutions to scale in performance and get to market more quickly.
 - In addition to Intel® Quark™ and Intel® Atom™ processors, **developers and partners can now choose from new Intel® Core™-based gateways.**
 - **Now included is Wind River® Intelligence Device Platform XT 3*** based on Wind River Linux* with new and flexible packaging options for applications that require a low cost of entry.
 - Intel and Canonical* are collaborating around **Intel® IoT Gateways and Snappy Ubuntu Core***. The newest Intel® IoT Gateway will come with support for Snappy Ubuntu Core, including the ability to take advantage of apps available through the Canonical Snap Store*, where a range of applications will be deployed to a gateway.
 - **Microsoft*-based Intel IoT Gateways will align with Windows 10 IoT Core* and Industry*** launch in the second half of 2015. As part of this effort, Intel and Microsoft are working closely to enable Windows 10 IoT on the existing Intel® Atom™-based Gateways currently available in the market today.
- New Intel IoT Gateways also offer enhanced manageability features, including Over-the-Air OS updates and rollback, to enable remote updates and services via Wind River Helix Device Cloud*.

¹ Intel based on IDC and Intel data

Valuable Data Unlocked

- Application-ready Intel IoT Gateways are pre-integrated and pre-validated platforms, enabling OEMs and ODMs to create IoT solutions that:
 - Connect existing and new systems
 - Let data stream seamlessly and securely between edge devices and the cloud
 - Make it easier for businesses to manage data and perform near real-time analytics at the edge
- By securely capturing and analyzing data from systems not previously connected, businesses can unlock new opportunities for understanding the behavior and uses of their existing products, as well as create a foundation for designing new products.

Ecosystem Growth

- There are currently 22 unique Intel IoT Gateway designs available from 20 Intel partner companies across industries including industrial/energy, smart building/smart home, retail, and transportation.
- Companies currently using Intel IoT Gateways include:

Intel® IoT Gateway Ecosystem



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.

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