



# Fact Sheet

## **Intel Tackles 'Internet of Things' by Enabling Common and Scalable Platforms**

Sept. 11, 2012 — [Intel Corporation](#) predicts that over 15 billion devices will be connected to the Internet by 2015 and one third of these connected devices will be [intelligent systems](#). This network of intelligent systems makes up what is frequently called the Internet of Things (IoT), and the explosive growth predicted for this category presents tremendous opportunity along with a host of new IT challenges.

In order to simplify and accelerate the deployment of the IoT, Intel announced today the [Intel® Intelligent Systems Framework](#). The framework is an evolving set of interoperable solutions designed to enable connectivity, manageability and security across devices in a consistent and scalable manner.

### **A New Approach to Development**

Today, the process for developing connected devices involves the use of proprietary components from a variety of manufacturers. Often missing are the security and manageability features needed to protect and manage the network of devices that connects to each other and the cloud, generating massive amounts of data. This approach to development can be time consuming and costly for system owners who must dedicate resources to design and validate a range of hardware and software requirements.

The Intel Intelligent Systems Framework establishes a set of recipes to reduce the development time for hardware and software integration for intelligent systems. The framework also addresses fragmentation in today's market by creating a standardized and open platform for the ecosystem that is actively building solutions.

### **Creating Value in "Big Data"**

The next step is to unlock data that exists on intelligent systems, often referred to as "big data." This is particularly relevant in such legacy environments as manufacturing where a lot of data is collected, but not necessarily analyzed.

Once analyzed, big data can help businesses increase efficiency, improve productivity and create revenue-generating services, while providing consumers with new and exciting experiences. In a connected store environment, weather data could indicate an approaching storm and change the content on the retailer's digital signage network to adjust pricing of weather-related items such as umbrellas. In a vehicle, the data could be shared among vehicles and the cloud, enabling drivers to receive real-time traffic updates, vehicle safety and maintenance information, as well as other location-based services.

The Intel Intelligent Systems Framework will help make these experiences a reality by establishing a common and scalable recipe to accelerate adoption of connected devices while ensuring they are secure and manageable. Additionally, the framework will allow system owners to shift development resources toward converting the massive volumes of data into actionable information.

### **Intel Intelligent Systems Framework**

The Intel Intelligent Systems Framework features several baseline validated components from Intel and ecosystems partners that address connectivity, manageability and security, as well as software and domain expertise from McAfee\* and Wind River\*. Intel processors supported in the framework include [Intel® Xeon® Processors](#), 2<sup>nd</sup> and 3<sup>rd</sup> generation [Intel® Core™ Processors](#) with Intel® vPro™ Technology and [Intel® Atom™ processors](#).

Intel is also working with system vendors, ISVs and systems integrators, as well as forming cloud-to-device services that build upon the framework. This ecosystem will work closely with the Open Data Center Alliance\* to ensure seamless integration of these devices within the data center and the cloud.

Solutions based on the Intel Intelligent Systems Framework from Advantech\*, Dell\*, Kontron\* and Portwell\* are available today with additional products from Arrow\*, Avnet\*, Axeda\*, Digi International\* and WebHouse\* scheduled to launch over the coming months.

The Intel Intelligent Systems Framework is available today free of charge to select customers and prospects at [www.intel.com/intelligentsystemsframework](http://www.intel.com/intelligentsystemsframework).

CONTACT: Krystal Temple  
480-552-1760  
[krystal.temple@intel.com](mailto:krystal.temple@intel.com)

Intel, Intel Atom, vPro, Intel Core, Intel Xeon 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.