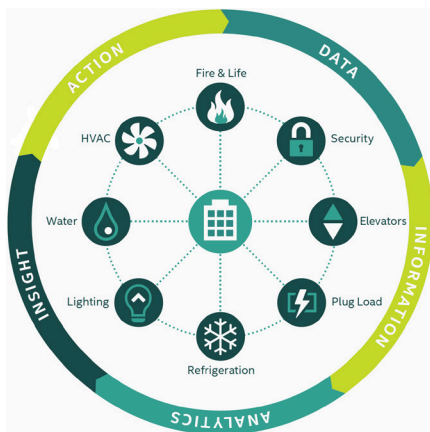


# Speed up development and deployment of smart building management solutions with Intel® Building Management Platform

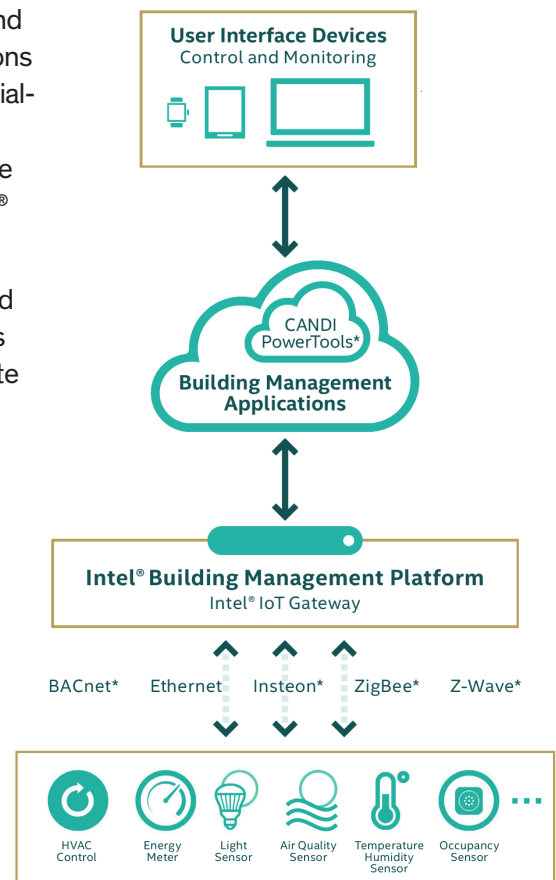
Arrow's offering of Intel® Building Management Platform (Intel® BMP) pre-integrated commercial grade platform accelerates time-to-revenue for manageable smart building solutions.

Intel BMP integrated with CANDI PowerTools\* includes platform security and manageability that make it easy to create smart building management solutions for small and mid-size buildings. Intel BMP provides a pre-integrated, commercial-grade, secure embedded Linux\* offering from Wind River; IoT middleware that handles connections and data access from things; cloud-based device provisioning from CANDI Controls and cybersecurity essentials from Intel® Security.

Intel's BMP platform takes many divergent building systems and sensors and aggregates them into a coherent time and cost saving system. With Arrow's vast array of sensor solutions, knowledge and experience, we can facilitate evaluating your current and future sensor requirements and support the development of a more powerful building management solution.



Smart building management touchpoints



A solution using Intel® Building Management Platform

## Easy access to building data and things

For system installers of Intel BMP-base gateways: Intel BMP pre-integrates CANDI PowerTools, which provides a cloud-based, drag-and-drop user interface that allows solution installers to quickly discover and provision devices for data acquisition using a wide range of open standards-based protocols that talk to the disparate systems and sensors in the building.

## Over-the-air updates

For personnel maintaining the deployed solution: The platform communicates with a cloud service used to remotely maintain the software with over-the-air updates of protocol drivers, critical security patches, etc.

## Cybersecurity protection

For facilities managers: Solutions based on Intel BMP provide peace of mind as it is hardened and protected using McAfee® Embedded Control software to enforce system integrity and help in preventing known and unknown threats and attacks.

## Flexibility and choice

Over time, Intel BMP will enable a broad choice of ecosystems that will provide:

- A variety of IoT gateways supporting a range of cost points, performance, and features
- A choice of software and cloud applications for building management
- Various devices and sensors using standard protocols

## Use cases for Intel® Building Management Platform

Intel BMP interfaces with a wide range of smart building touchpoints to reduce the effort for developers of building management applications, such as:

- Building energy monitoring and analytics
- Remote monitoring of assets such as space utilization and equipment usage
- Data insights across disparate building systems used to optimize building operations
- Future applications that have the need for building data insights to deliver smart building experiences for building managers and their occupants

Features	Benefits
<b>Data discovery and commissioning</b> (CANDI PowerTools*)	<b>Connect, discover, and provision "things" and data</b> <ul style="list-style-type: none"> <li>• Includes built-in discovery tools and a drag-and-drop interface for installers to quickly find and provision devices</li> <li>• Recognizes and unifies hundreds of legacy systems and best-in-class IoT-generation devices across many protocols and proprietary APIs</li> <li>• Supports BACnet*, ZigBee*, Insteon*, Z-Wave*, and many Wi-Fi* and Ethernet-based standards</li> <li>• Supports remote management features such as uptime monitoring, alerts, data usage metering, ecosystem reporting, and remote tunneling</li> <li>• Provides a cloud service to remotely provision, manage, and control a large number of gateways and on-site devices</li> </ul>
<b>Built-in security</b> (McAfee® Embedded Control)	<b>Add security to your solution with preconfigured security essentials</b> <ul style="list-style-type: none"> <li>• Allows only signed Intel® Building Management Platform software to run on the gateway during the boot sequence</li> <li>• Prevents unauthorized software from running on the gateway</li> <li>• Encrypts data transfers to the cloud</li> <li>• Accesses the gateway remotely when addressing new security threats</li> </ul>
<b>Out-of-the-box software appliance</b>	<b>Reduce your development time by eliminating the work with low-level software components</b> <ul style="list-style-type: none"> <li>• Eases your deployment with pre-integrated and optimized Linux* from Wind River, and a set of middleware that runs on qualified gateways</li> </ul>
<b>Over-the-Air software updates</b>	<b>Keep gateway software up to date</b> <ul style="list-style-type: none"> <li>• Supports remote, over-the-air updates of new device drivers, security fixes, and application software</li> </ul>
<b>Enabling tools</b> (CANDI Unity*)	<b>Manage secure data flows to and from third-party applications and services via a RESTful API</b> <ul style="list-style-type: none"> <li>• Provides publish/subscribe services and industry-leading IoT data ingestion hubs, such as Microsoft Azure* IoT Hub</li> <li>• Enables system integrators and solution providers to easily consume data and return actionable information to the edge for operations and control, using easy-to-integrate APIs, software development kit (SDK), and solution provider training in the areas of building analytics, optimization, and control</li> </ul>

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

### To purchase your Intel BMP today

Please email us at [intelbmp@arrow.com](mailto:intelbmp@arrow.com)

Part Number: **Intel/IoT-BMP-Gateway**

or for more information email us at

[buildingmanagement@arrow.com](mailto:buildingmanagement@arrow.com)

### Intel/IoT-BMP-Gateway

- Advantech UTX-3115 gateway hardware
- Pre-loaded Building Management Platform client software
- Instructions on connecting the gateway

### For more information

For more information about our sensor offerings please visit [iot.arrow.com](http://iot.arrow.com)

### In Person

Please contact your local Arrow account manager or 800-833-3557

