This is a self-service playbook for Intel® RFP Ready Kits, designed to inform System Integrators of the available IoT solutions. This playbook offers a one-page overview of each solution along with links to additional materials to best equip System Integrators in the market.

If you have any questions regarding the solutions in this playbook, please contact rfp.ready.kits@intel.com

The Intel® RFP Ready Kits Solutions Playbook is designed for simple navigation:
• Click the arrow below to start on the Rfp Ready Kit Overview page.
• Next, you will may access the latest version updates on the Playbook Updates page
• From there, click on the ( ) button to access the IoT Rfp Ready Kit Home Page. Select a desired vertical by clicking on its image. This will give you access to the individual IoT solution overviews under that given vertical.
• To go back and choose a different solution, click on the vertical's image at the top of the page.
• At anytime, you can click on the ( ) button in the top right to navigate back to the IoT Rfp Ready Kit Home Page.
RFP Ready Kits are commercially-hardened, ready-for-customer solution kits built for scale into customer deployments. Each kit:

- Is available for purchase today
- Features commercial grade components, customizable APIs, a verified distribution, pricing model, and support

**Value Props**

- Offload testing and development costs by leveraging pretested RKK kits to estimate deployment demands
- Accelerate time to market by overcoming deployment barriers with concrete, tangible kits that can be tried today
- Gain initial customer wins with kits that appeal to specific industry problems and customer environments
Each month, the Intel® RfP Ready Kit Solutions Playbook will be updated to reflect the most accurate and current information available. This includes new IoT solution overview pages as well as any updated information for existing solutions.

Below are the latest solution updates

**New solutions**
- UP Squared AI Vision Development Kit
- IEI TANK Ruggedized Surveillance Solution
- Industrial IoT Starter Kit from HPE and Softing

**Existing solutions**
- No existing solutions have been updated
Click on the verticals below to see their solutions

**Retail**
- Kiosk & digital signage
- POS & mobile POS
- Inventory Management

**Industrial**
- Manufacturing
- Building Management
- Agriculture
- Energy

**Transportation**
- Fleet Management
- Logistics

**Smart Cities**
- Security surveillance
- Smart lighting
- Connected Transportation
- Air quality management

**Healthcare**
- Medical (in-hospital)
- Remote health management

**Horizontal**
- Security Surveillance
- Video
- Connectivity
## Overview
Retailers IoT offers unlimited opportunities to increase supply chain efficiencies, develop new services, and reshape the customer experience.

## Explore IoT Retail solutions
Click on the solutions below to view a one-page overview with access to links, resources, and additional material.

### Kiosk & digital signage
- **Example Target Audience**: Retail marketing department

<table>
<thead>
<tr>
<th>Example</th>
<th>Target Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAEON Embedded Multi-Vision Starter Kit</td>
<td>Retail marketing department</td>
</tr>
<tr>
<td>AAEON Smart Vending Kit</td>
<td></td>
</tr>
<tr>
<td>Advantech UShop* Intelligent Digital Signage</td>
<td></td>
</tr>
<tr>
<td>Advantech UShop* Intelligent eMenu Board</td>
<td></td>
</tr>
<tr>
<td>Advantech UShop* Store Traffic Analytics</td>
<td></td>
</tr>
<tr>
<td>XOGO Mini 4k Digital Signage</td>
<td></td>
</tr>
<tr>
<td>Seneca and Navori Digital Signage Bundle</td>
<td></td>
</tr>
<tr>
<td>Aveue Interactive Digital Signage</td>
<td></td>
</tr>
</tbody>
</table>

### POS & mobile POS
- **Example Target Audience**: Store operations

<table>
<thead>
<tr>
<th>Example</th>
<th>Target Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nexcom Smart Self-Ordering Kiosk</td>
<td>Store operations</td>
</tr>
<tr>
<td>FranPOS</td>
<td></td>
</tr>
<tr>
<td>BOE New Vending Machine Retail Suite</td>
<td></td>
</tr>
</tbody>
</table>

### Inventory Management
- **Example Target Audience**: Retailer store and warehouse managers, operations/supply chain management

<table>
<thead>
<tr>
<th>Example</th>
<th>Target Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBOR Retail &amp; GOT Solution</td>
<td>Retailer store and warehouse managers, operations/supply chain management</td>
</tr>
</tbody>
</table>
Overview

Industrial IoT technology enables today’s factories to enhance collaboration between machines, humans, and enterprise systems.

Explore IoT Industrial solutions

Click on the solutions below to view a one-page overview with access to links, resources, and additional material.

<table>
<thead>
<tr>
<th>Manufacturing</th>
<th>Agriculture</th>
<th>Building Management</th>
<th>Energy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td></td>
<td>Target Audience</td>
<td></td>
</tr>
<tr>
<td>Audience</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Factory operators and quality managers</td>
<td>Agribusiness owners, field operation managers</td>
<td>Residential and commercial building owners, real estate management</td>
<td>Energy and resource management department</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solutions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Advantech iFactory</td>
<td>Nexcom Predictive Diagnostic Maintenance</td>
</tr>
<tr>
<td>Nexcom Intelligent Farming</td>
<td>Moxa Oil &amp; Gas Drilling Monitoring solution</td>
</tr>
<tr>
<td>ADLINK Smart Camera</td>
<td>Axiomtek Solar Energy Gateway Solution</td>
</tr>
<tr>
<td>ADLINK MCM-100</td>
<td></td>
</tr>
<tr>
<td>Roseek Industrial Machine Vision Smart Camera Development Kit</td>
<td></td>
</tr>
<tr>
<td>Industrial IoT Starter Kit from HPE and Softing</td>
<td></td>
</tr>
<tr>
<td>Axiomtek Solar Energy Gateway Solution</td>
<td></td>
</tr>
</tbody>
</table>

There are no current Building Management solutions.
**Overview**
Transportation IoT is finding solutions to challenges such as driver and passenger safety, carbon emissions, and asset-management efficiency.

**Explore IoT Transportation solutions**
Click on the solutions below to view a one-page overview with access to links, resources, and additional material.

<table>
<thead>
<tr>
<th>Fleet Management</th>
<th>Logistics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Example</strong></td>
<td>Logistics analysts, warehouse managers, supply chain operations department</td>
</tr>
<tr>
<td><strong>Target Audience</strong></td>
<td>Fleet managers, fleet operation managers</td>
</tr>
<tr>
<td>Mobiliya Asset Tracking</td>
<td>KONTRON LoRa Connected Devices</td>
</tr>
<tr>
<td>Roseek Intelligent Transportation System Smart Camera Development Kit</td>
<td></td>
</tr>
</tbody>
</table>
Overview

Smart Cities IoT help enable the transformation of today's urban environments into the smart, connected, secure cities of tomorrow.

Explore IoT Smart Cities solutions

Click on the solutions below to view a one-page overview with access to links, resources, and additional material.

<table>
<thead>
<tr>
<th>Smart Home/Building</th>
<th>Smart Lighting</th>
<th>Connected Transportation</th>
<th>Air Quality Management</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Example</strong></td>
<td><strong>Target Audience</strong></td>
<td>**</td>
<td>**</td>
</tr>
<tr>
<td>ECS Smart Home</td>
<td>Real estate developers, building owners, facility managers</td>
<td>City planners, maintenance directors</td>
<td>TBD</td>
</tr>
<tr>
<td>ECS Smart Building</td>
<td>There are no current Smart Lighting solutions</td>
<td>There are no current Connected Transportation solutions</td>
<td>There are no current Air Quality Management solutions</td>
</tr>
</tbody>
</table>
Overview
Healthcare IoT provides offer a catalyst for strategic change across the industry, improving patient outcomes, lowering costs, and creating efficiencies.

Explore IoT Healthcare solutions
Click on the solutions below to view a one-page overview with access to links, resources, and additional material.

<table>
<thead>
<tr>
<th>Medical (in-hospital)</th>
<th>Remote Health Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>TBD</td>
</tr>
<tr>
<td>Target Audience</td>
<td>Telehealth physicians, home health nurses, virtual health coaches</td>
</tr>
</tbody>
</table>

There are no current Medical (in-hospital) solutions

Intel® Health Application Platform
## Overview
Horizontal IoT systems have broad-ranging applications across verticals, increasing connectivity and enabling real-time situational awareness.

## Explore IoT Horizontal solutions
Click on the solutions below to view a one-page overview with access to links, resources, and additional material.

### Security Surveillance
- IEI TANK Ruggedized Surveillance Solution

### Video
- CrowdOptic Intersect
- IEI TANK IoT Development Kit
- UP IQRF IoT Starter Kit
- UP Squared AI Vision Development Kit

### Connectivity
- Plat’Home OpenBlocks IoT VX1
A smart home kit that enables remote access of appliances and real-time power management:
- Enables customers to control and monitor their home anytime, anywhere
- Supports a comfortable living environment and minimum energy consumption
- Device & sensor management

**Value Prop**

**Solution Components**

- **Sensor hub:** Intel® QuarkTM X1021
- **Gateway:** Intel Gateway Solutions for IoT
- **OS Support:** MoonIsland 3.1 Pro

**Geos & Purchase Contacts**

- **Availability:** Global
- **Intel contact:** rfp.ready.kits@intel.com
- **Partner contact:** shane.lee@ecs.com.tw

**Solution Overview**

**Smart Meters**

- Energy Saving and Monitoring. E.g., Power, water meter, etc.

**Healthcare Sensors**

- Telecare and Telehealth e.g., Blood Pressure, ECG, etc.

**Detection Sensors**

- Security and Safety Service, Emergency Button, Gas Detection, etc.

**Home Appliances**

- Intelligent Home Appliances. E.g., Air Conditioning, Fan, etc.

**Environmental Sensors**

- Monitoring Environmental Factors. E.g., Temp., Humidity, etc.

**ECS SMART HOME**

**User Devices**

- Display and Controller

**IHD (In-Home Display)**

**Smart Home**

**ECS intelligent Gateway**

**Cloud Services**

- Property Mgmt.
- Healthcare Centre
- SBMS

**Support Information**

ECS IoT solutions are described at:
http://www.ecs.com.tw/extra/Solutions/

To learn about smart homes from Intel, visit:

**Additional Links**

- Data Sheet
- User Guide
- Configuration Guide

Order here today!
ECS SMART BUILDING

Solution Overview
A smart building kit that provides real-time power management through control of devices remotely
- Rapidly deployed energy management systems
- Real-time system monitoring
- Multi-system interoperability
- Multi-use sensors deployment

Value Prop
- Enables affordable energy conservation, connecting energy management systems to commercial building devices
- Promotes operations & maintenance savings
- Provides future proof design that is easily scalable

Solution Components
Sensor hub: Intel® QuarkTM X1021
Cloud Service Provider: Microsoft-Azure, Cisco-CEM, IBM-Blumix, Wind River-Helix Device Cloud
OS support: Yocto/WindRiver Linux

Geos & Purchase Contacts
Availability: Global
Intel contact: rfp.ready.kits@intel.com
Partner contact: shane.lee@ecs.com.tw

Support Information
ECS IoT solutions are described at: ecs.com.tw
To learn about smart home solutions from Intel, visit https://www.intel.com/content/www/us/en/smart-buildings/overview.html

Solution Diagram

Support Information

Additional Links

Data Sheet
User Guide
Configuration Guide
API
Order here today!
AAEON SMART VENDING KIT

Solution Overview
A vending machine retrofit kit targeted to upgrade legacy vending machine solutions
- Advanced telemetry solutions and business intelligence
- Rich interactivity & touch display
- Mobile dashboard application
- Modern payment options
- Remote management

Value Prop
- Provides unique customer experience by supplying product information and new forms of payment options to drive sales
- Promotes low maintenance cost with remote diagnostic management to optimized restocking route

Solution Components
AAEON Smart Vending Development Kit: RW-VEND-UPG-001 including AAEON Vending I/O kit, AAEON Vending Computing kit and accessories.
OS support: Linux, Windows
Cloud: Microsoft Azure, AWS

Geos & Purchase Contacts
Availability: Global
Intel contact: rfp.ready.kits@intel.com
Partner contact: JasonC@aaeon.com

Support Information
Aaeon solutions are described at:
http://www.smartvending.us/
http://www.smartvendingnow.com
smartvending@aaeon.com
To learn about retail solutions from Intel, visit:

Solution Diagram

Payment Processor
Remote Management
Telemetry Business Analytics
Signage Engine

Additional Links
Data Sheet
User Guide
Configuration Guide
API/SDK
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AAEON Vending I/O Board
AAEON Vending Computing Board
Cashless Payment Terminal
LCD Panel
Coin Acceptor
Bill Acceptor
Spiral Motors

USB
4G LTE
WiFi
HDMI
24VDC
USB
A generic starter kit which supports various cameras, including Basler, FLIR, PointGrey and IDS cameras

- Pass Hardware + OS + MERLIC + Camera Compatibility Test
- Support USB3 Vision and GigE Vision compliant Camera
- Support GenICam GenTL standard

**Value Prop**

- Offers stable, reliable, & flexible data exchange with cameras & computer systems at low processor load
- Provides a powerful embedded platform for applications which eases camera integration and speeds up application development

**Solution Components**

- Camera: USB3 Vision and GigE Vision compliant Camera
- Controller: BOXER-6640M, Intel® 6th Gen/7th Gen Desktop Processor with H170 PCH
- OS support: Linux, Microsoft Windows 10
- Cloud: Not bundled together

**Geos & Purchase Contacts**

- Availability: Global
- Intel contact: rfp.ready.kits@intel.com
- Partner contact: JasonC@aaeon.com

**Support Information**


To learn about retail solutions from Intel, visit: [https://www.intel.com/content/www/us/en/retail/retailsolutions.html](https://www.intel.com/content/www/us/en/retail/retailsolutions.html)
FranPOS is a cloud Point of Sale platform designed for franchise and multi-site operations to help increase unit economics and synchronize data in real time.

- **Unified POS technology platform**
- **Master sales reports for all locations**

**Value Proposition**

- Promotes customer loyalty by maintaining up to date database to help streamline marketing & customer promotions
- Enables easy inventory management, providing access to real time sales data allowing for actionable decisions on purchase orders

**Solution Components**

- **Intel components:** Intel Bay Trail-T Processor
- **OS Support:** Android

**Geos & Purchase Contacts**

- **Available:** Americas
- **Intel contact:** rfp.ready.kits@intel.com
- **Partner contact:** MKissling@Franpos.com

**Support Information**

FranPOS solutions are described at: https://www.franpos.com/

To learn about retail solutions from Intel, visit: https://www.intel.com/content/www/us/en/retail/retailsolutions.html

**Additional Links**

- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!
A signage solution that combines highly reliable, comprehensive hardware platforms with economical, application-ready software solutions
- Web-based management
- Dynamic multimedia content with rich graphics

**Value Prop**
- Helps customers reduce complexity and capitalize on digital signage networks, which means faster time-to-market & lower total cost of ownership
- Supports appealing advertisements that drive increased sales and an enhanced customer experience

**Solution Components**
**Intel components:**
- **UBX-310UDS1-G1E-C** with Baytrail J1900 CPU
- **DS-570UDS1-G1E-C** with Baytrail J1900 CPU
- **DS-980UDS1-G1E-C** with Skylakei7-6700TE
**Cloud:** Microsoft Azure
**OS support:** Microsoft Windows

**Geos & Purchase Contacts**
**Availability:** Global
**Intel contact:** rfp.ready.kits@intel.com
**Partner contacts:**
- **Sales:** constance.liu@advantech.com
- **Technical:** PatrickC@advantech.com

**Support Information**
To learn about retail solutions from Intel, visit: https://www.intel.com/content/www/us/en/retail/retailsolutions.html

**Solution Diagram**

**Central Management Software**
- **P/N:** 9B6SPUDSS0

**Server Software**

**Client Device**
- **Lite**
  - 1-2 Display
  - **P/N:** UBX-310UDS1-G1E-C
- **Standard**
  - 1-4 Display
  - **P/N:** DS-570UDS1-G1E-C
- **Pro**
  - 1-6 Display
  - **P/N:** DS-980UDS1-G1E-C

**Application**
- Elevator
- Office
- Broadcast
- Bank
- Hospital
- Signage
- Virtual Shell
- Window
- Commercial
- Advertisement
- Traffic
- Guidance
- Commodity
- Promotion
- Digital Menu Board
- Newsroom
- Welcome Board
- Brand Image
- Commercial TV Wall

**Order here today!**
Solution Overview

Comprehensive package comprising menu board player, industrial-grade servers, and content management software

• Real-time content delivery
• Support of multiple displays
• Web based remote content management

Value Prop

• Helps customers remotely manage multiple menu board devices
• Enables diverse menu templates to reduce art design cost
• Supports multiple displays and boosts sales with real time content delivery

Solution Components

Intel components:

• UBX-310UDS1-G1E-C with Baytrail J1900 CPU
• DS-570UDS1-G1E-C with Baytrail J1900 CPU
• DS-980UDS1-G1E-C with Skylake i7-6700TE

Cloud: Microsoft Azure

OS support: Microsoft Windows

Geos & Purchase Contacts

Availability: Global

Intel contact: rfp.ready.kits@intel.com

Partner contacts:
Sales: constance.liu@advantech.com
Technical: PatrickC@advantech.com

Advantech solutions described at:
http://www.advantech.com/ushop-plus/srp-emenu

To learn about retail solutions from Intel, visit:

Support Information

Order here today!

Additional Links

Data Sheet

User Guide
Click to request

Configuration Guide
Click to request

API/SDK
Click to request

Solution Diagram

Central Management Software

Client Device

Application

Beverage Shop
Sports Bar
Fired Chicken Takeaway
Coffee Shop
Quick Service restaurants
Sushi Bar
Sandwich Shop
Fish & Chip Takeaway
Ice Cream Parlor
Snack Shop
Drive-Through
BBQ & Grill
Buffet Restaurant

Programs

Menu Board Player

1-2 Display

P/N: UBX-310UDS1-G1E-C

Menu Board Player

1-4 Display

P/N: DS-570UDS1-G1E-C

Menu Board Player

1-6 Display

P/N: DS-980UDS1-G1E-C
**Solution Overview**

Stable, industrial grade system with business intelligence solution

- Interactive API for application integration
- Integrative data conversion and central management for multiple stores

**Value Prop**

- Enables retailers to evaluate sales potential and establish marketing strategies for maximizing profit
- Provides plug-n-play solution to optimize retailer efficiency

**Solution Components**

**Intel components:**
- UBX-310UDS1-G1E-C with Baytrail J1900 CPU
- AiMC-342UST-G1E-C with Intel i5-4590S
- ACP 2320USTG1EC with Core i7/8G

**Cloud:** Microsoft Azure

**OS support:** Microsoft Windows

**Geos & Purchase Contacts**

**Availability:** Global

**Intel contact:** rfp.ready.kits@intel.com

**Partner contacts:**
- Sales: constance.liu@advantech.com
- Technical: PatrickC@advantech.com

**Support Information**

Advantech solutions described at:
http://www.advantech.com/ushop+plus/srp-people-counting

To learn about retail solutions from Intel, visit:
http://www.advantech.com/ushop+plus/srp-people-counting

**Additional Links**

- Data Sheet
- User Guide
- Configuration Guide
- API/SDK

**Order here today!**

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**Solution Diagram**

**Smart Camera Direct On Cloud**

**Branch Stores**

**UCAM 3D Counting Camera**
- With accuracy over 96%
- P/N: 9660016713

**UCAM 2D Counting Camera**
- With accuracy over 95%
- P/N: UCAM-120A-U01

**Private Cloud**

**Public Cloud**

**Data Analytics**

**Mobile Access**
Solution Overview
An IoT gateway device and edge node computer able to mediate between various sensors and host networks
- Multi-cloud support
- Flexible and fast connectivity
- Beacon and sensor node communication support
- Open source OS

Value Prop
- Enables user function across all IoT devices, sensors, and gateway, reducing installation cost and time
- Supports data communication to cloud services across all IoT systems to help improve operational efficiency

Solution Components
Components: Intel® Atom™ Processor 500MHz (dual-core)
Gateway: OpenBlocks IoT VX1
OS support: Debian GNU/Linux

Availability: Japan
Intel contact: rfp.ready.kits@intel.com
Partner contact:
Sales: sales@plathome.com
Technical: timo@plathome.co.jp

Plat’Home IoT solutions are described at:
https://openblocks.plathome.co.jp/products/outloc/

To learn about Intel IoT solutions visit:

Additional Links
- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!
Solution Overview

Provides an intelligent live streaming solution through the real-time analysis and delivery of video, IoT sensor data, and biometrics at the network edge.
• Local storage of high-res video and operational data
• Intelligent streaming of compressed content to a central server

Value Prop

• Enables customers to review and address scenarios from any part of their business, allowing them to stay agile and tackle issues if they arise
• Helps customers to analyze data streams in real-time, so that they can make sound decisions with reliable analysis

Solution Components

Intel component: Intel® Core™ Model i5-4300U Intel® HD Graphics 4400
Gateway: HPE GL20 IoT
OS platform: Linux

Geos & Purchase Contacts

Availability: APJ, Americas, ANZ, EMEA, PRC, ASEAN
Intel contact: rfp.ready.kits@intel.com
Partner contact: twu@crowdoptic.com
CrowdOptic solutions are described at: https://intersect.crowdoptic.com/

Solution Diagram

Intersect with ILS Implementation

1 or more CrowdOptic Cameras

On-Demand Intelligent Live streams with Encrypted Audio, Biometrics & Analytics

Vehicle w/Slave server (HPE – EL20)

On-Demand Intelligent Live streams with Encrypted Audio, Biometrics & Analytics

Headquarters – HPE Apollo 4200 Gen9 Server

Live Streaming and Analytics

Synchronize Data

Coming Soon!
A wireless technology allowing easy installation of multiple new connected devices, driving to lower cost of ownership and better customer experience.

- Asset management for fleets of vehicles, trains, etc.
- Monitoring of large operation sites in harsh outdoor environments

• Drives lower cost of ownership by solving complex logistic services in the field of asset management and energy conservation
• Allows for better customer experience through consistent passenger updates and security improvements

**Solution Components**

Intel components: WGI210IT Ethernet NIC, Intel Atom E3845 CPU

Gateway: TRACe LoRa™ MQTT

OS support: Linux

**Availability:**
- Americas
- Asia/Pacific/Japan
- Australia/New Zealand
- Europe

Intel contact: rfp.ready.kits@intel.com

Partner contact: harvey.berman@kontron.com

**KONTRON IoT solutions are described at:**
https://www.kontron.com/

To learn about transportation solutions from Intel, visit:
https://www.intel.com/connected-transportation-logistics

**Typical Application**

1. LoRa Messages
2. 4G or Wi-Fi Ethernet Link
3. Secured MQTT Publish
4. MQTT Messages
5. MQTT Subscribe

**Infrastructure**

Remote Monitoring

**Solution Diagram**

**Support Information**

KONTRON IoT solutions are described at:
https://www.kontron.com/

To learn about transportation solutions from Intel, visit:
https://www.intel.com/connected-transportation-logistics

**Additional Links**

- Data Sheet
- User Guide Click to request
- Configuration Guide
- API/SDK
- Order here today!
**Solution Overview**
A precision agriculture kit that enables historical and real-time data analysis of farm field conditions including soil moisture:
- Real-time and historical data tracking
- Watermark® soil moisture and temperature sensor

**Value Prop**
- Provides actionable insights to optimize crop yields through dynamic onsite data aggregation
- Helps ensure savings on soil water usage by monitoring environmental changes such as moisture and temperature

**Solution Components**
- Atomiton Stack IoT Platform
- Atomiton Neuron Sensor Hub: Intel® Atom, Processor Intel® Edison™
- Atomiton Neuron Hub: A-Stack Agriculture & MultiTech LoRa Gateway
- Cloud: Atomiton GCP/AWS

**Geos & Purchase Contacts**
- Availability: Global
- Intel contact: rfp.ready.kits@intel.com
- Partner contact: abatra@atomiton.com

**Support Information**
Atomiton IoT solutions are described at: [http://www.atomiton.com/index.html#/solutions/overview](http://www.atomiton.com/index.html#/solutions/overview)

**Additional Links**
- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!
INTEL® HEALTH APPLICATION PLATFORM

Solution Overview
An innovative application software platform for use by solution providers to enable a variety of healthcare usage models, including remote patient care:
• Stable software environment
• Advanced security
• Flexible application development

Value Prop
• Helps improve oversight by healthcare providers, integrating health data from multiple consumer devices
• Enables customers to reinvent existing applications and create new ones to develop incremental revenue

Solution Components
Intel components: Intel® Atom x3 Quad Core CPU/GPU, Intel® AG630 (WiFi-BT/cellular 2G/3G quad band transceivers)
Cloud: FlexConnect Cloud
OS Support: Android

Geos & Purchase Contacts
Availability: Americas
Intel contact: rfp.ready.kits@intel.com
Partner contact: joshua.grossman@flex.com

Support Information
Flex/Edge Compute solutions are described at: https://flex.com/expertise/cloud
To learn about healthcare solutions from Intel, visit: https://www.intel.com/content/www/us/en/healthcare-it/transforming-healthcare.html

Additional Links
Data Sheet
User Guide
Click to request
Purchase contact

Solution Diagram

Health Delivery Organization
FlexConnect Cloud
Patient Data
Device Data FlexConnect Agent
3G WiFi
Admin Portal

Operational Data Admin
Flex* Admin

Flex* IoT Compute Engine

Customer
Apps
Reports
Analytics

BP Monitor
Pulse Oximeter
Weight Scale

FlexConnect Agent

Operational Data Admin
Flex* Admin

Patient Data

Intel® HEALTH APPLICATION PLATFORM

Solution Overview
An innovative application software platform for use by solution providers to enable a variety of healthcare usage models, including remote patient care:
• Stable software environment
• Advanced security
• Flexible application development

Value Prop
• Helps improve oversight by healthcare providers, integrating health data from multiple consumer devices
• Enables customers to reinvent existing applications and create new ones to develop incremental revenue

Solution Components
Intel components: Intel® Atom x3 Quad Core CPU/GPU, Intel® AG630 (WiFi-BT/cellular 2G/3G quad band transceivers)
Cloud: FlexConnect Cloud
OS Support: Android

Geos & Purchase Contacts
Availability: Americas
Intel contact: rfp.ready.kits@intel.com
Partner contact: joshua.grossman@flex.com

Support Information
Flex/Edge Compute solutions are described at: https://flex.com/expertise/cloud
To learn about healthcare solutions from Intel, visit: https://www.intel.com/content/www/us/en/healthcare-it/transforming-healthcare.html

Additional Links
Data Sheet
User Guide
Click to request
Purchase contact

Solution Diagram

Health Delivery Organization
FlexConnect Cloud
Patient Data
Device Data FlexConnect Agent
3G WiFi
Admin Portal

Operational Data Admin
Flex* Admin

Flex* IoT Compute Engine

Customer
Apps
Reports
Analytics

BP Monitor
Pulse Oximeter
Weight Scale

FlexConnect Agent

Operational Data Admin
Flex* Admin

Patient Data

Intel® HEALTH APPLICATION PLATFORM

Solution Overview
An innovative application software platform for use by solution providers to enable a variety of healthcare usage models, including remote patient care:
• Stable software environment
• Advanced security
• Flexible application development

Value Prop
• Helps improve oversight by healthcare providers, integrating health data from multiple consumer devices
• Enables customers to reinvent existing applications and create new ones to develop incremental revenue

Solution Components
Intel components: Intel® Atom x3 Quad Core CPU/GPU, Intel® AG630 (WiFi-BT/cellular 2G/3G quad band transceivers)
Cloud: FlexConnect Cloud
OS Support: Android

Geos & Purchase Contacts
Availability: Americas
Intel contact: rfp.ready.kits@intel.com
Partner contact: joshua.grossman@flex.com

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Patient Data

Internet of Things Group
A process visualization solution platform that allows users to easily collect data from shop-floor devices via multiple communications:
- Real-time reports of production activities
- 100% web-based dashboard
- Available on mobile devices

**Value Prop**

- Helps increase employee productivity with HTML5-based dashboard for mobile phones, providing information remotely
- Promotes data-driven decision making by accurately and automatically collecting real-time data on yield rates and equipment utilization

**Solution Components**

- **Intel components:** Intel® Core™ i3 Fanless Automation Computer
- **OS support:** Microsoft Windows Embedded 7 Pro x1
- **Peripherals:** WISE-4012AE x1

**Geos & Purchase Contacts**

- **Available:** Americas, APJ, AZN, EMEA, SEA, PRC
- **Intel contact:** rfp.ready.kits@intel.com
- **Partner contact:** jasmine.chiang@ advantech.com.tw

**Support Information**

Advantech solutions are described at:
http://www.advantech.com/srp/ifactory-fpv220

To learn about industrial solutions from Intel, visit:

**Additional Links**

- **Data Sheet**
- **User Guide**
- **Configuration Guide**
- **API**
- **Order here today!**
MOBILIYA ASSET TRACKING

A comprehensive inventory management tool that enables business asset owners to locate, track, and monitor their goods and remote assets in real-time:

- GPS location
- Temperature sensor
- Indoor location
- Accelerometer
- Humidity sensor

**Value Prop**

- Reduces operational costs with the web dashboard to plan package paths and utilize transport vehicles efficiently with real time updates
- Promotes employee empowerment, providing real-time data to help utilize assets and make informed decisions

**Solution Components**

- **Intel components:** Intel Atom® processors
- **App:** Mobiliya Asset Tracking app
- **Gateway:** Dell Edge Gateway (3000 & 5000 series)
- **Cloud:** Microsoft Azure

**Geos & Purchase Contacts**

- **Available:** Americas, APJ, AZN, EMEA, SEA, PRC
- **Intel contact:** rfp.ready.kits@intel.com
- **Partner contact:** rubayat.mahmud@mobiliya.com

Mobiliya solutions are described at: https://www.mobiliya.com/home/index#

To learn about transportation solutions from Intel, visit: https://www.intel.com/content/www/us/en/connected-transportation-logistics

**Solution Diagram**

**Things**

- Smart Label Sensors
  - Accelerometer
- Accelerometer
- Accelerometer
  - Temperature
  - Pressure
  - Moisture

**Connectivity**

- Dell Edge Gateway 5000 Series
- Dell Edge Gateway 3000 Series

**Global Infra**

- Local Ingestion
- Analytics
- Location

**Data Ingestion**

- Stream Analytics
- Anomaly Detection
- Predictive Analysis

**Data Analysis**

- Visualization
- Android & iOS
- Web Console

**Application**

- Track Assets
- Identify Anomalies
- Map to actionable Events

**People & Process**

- ✓ Track Assets
- ✓ Identify Anomalies
- ✓ Map to actionable Events

**Support Information**

Order here today!
A smart retail solution allows retailers to analyze customer purchase behavior and in-store traffic patterns to improve sales

- Digital signage player
- Store traffic analytics
- Online management
- Smart shelf management

• Helps optimize sales performance by analyzing customer purchase behavior and in-store traffic patterns
• Enhances customer experience with new immersive advertising, compelling graphics, and touchscreen displays

Intel component: 6th generation Intel® Core™ i3-6100U SoC Processor Dual Core 2.3GHz

Data management and analysis systems: VidiCenter, Vidi Reports Pro, PowerDigitS (optional)

OS platform: Linux

Availability: America, Europe, PRC, APJ, Africa/Middle East

Intel contact: rfp.ready.kits@intel.com

Partner contact: nelsonchang@nexcom.com.tw

Nexcom solutions are described at: http://www.nexcom.com/applications

To learn about industrial solutions from Intel, visit: https://www.intel.com/content/www/us/en/industrial-automation/overview.html

Helps optimize sales performance by analyzing customer purchase behavior and in-store traffic patterns

Enhances customer experience with new immersive advertising, compelling graphics, and touchscreen displays

To learn about industrial solutions from Intel, visit: https://www.intel.com/content/www/us/en/industrial-automation/overview.html

Order here today!
An IoT solution which enables monitoring and control of the environmental conditions in poultry farms to optimize productivity

- Modbus TCP/RTU I/O device support
- Field to cloud data
- Strong controller protection

- Increases farming productivity with cloud-based on-site monitoring and automated response to environmental factors
- Reduces overall expenses and optimizes poultry survival rate

**Solution Components**

**Intel component:** Intel® Atom™ based gateway/Intel® Celeron® J1900 based camera server

**Cloud platform:** Microsoft Azure

**OS platform:** Windows 8.1/Windows Embedded Standard 8/Windows 10 IoT core/Android 4.4

**Availability:** Americas, APJ, ANZ, EMEA, PRC, ASEAN

**Intel contact:** rfp.ready.kits@intel.com

**Partner contact:** jimmychang@nexcom.com

**Nexcom solutions are described at:** http://www.nexcom.com/?aspxerrorpath=/Products/industrial-computing

**To learn about industrial solutions from Intel,** visit: https://www.intel.com/content/www/us/en/industrial-automation/overview.html

- Increases farming productivity with cloud-based on-site monitoring and automated response to environmental factors
- Reduces overall expenses and optimizes poultry survival rate

**Support Information**

Nexcom solutions are described at: http://www.nexcom.com/?aspxerrorpath=/Products/industrial-computing-solutions

To learn about industrial solutions from Intel, visit: https://www.intel.com/content/www/us/en/industrial-automation/overview.html

**Additional Links**

- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!
A predictive maintenance solution for rotary machinery. Includes:
• Simulation rotor kit
• IoT gateway with the predictive/analysis software
• IoT communication technology

• Reduces down-time by automatically identifying defective machine parts for repair or replacement
• Eliminates manual inspection with real-time remote monitoring

Available: EMEA, Americas, Southeast Asia, APJ, PRC, Australia/New Zealand
Intel contact: rfp.ready.kits@intel.com
Partner contact: jimmychang@nexcom.com

Nexcom solutions are described at:
http://www.nexcom.com/?aspxerrorpath=/Products/industrial-computing-solutions
To learn about industrial solutions from Intel, visit:

Coming Soon!
Order here today!
Solution Overview
A ready-to-go smart camera used to reduce the complexity in machine vision applications alignment, product line inspection, detection, and recognition
- Easy-to-use machine vision software MERLIC

Value Prop
- Reduces cost by executing all inspection and gauging tasks in a high performance all-in-one solution
- Helps shorten development time for system integrators with built-in advanced image processing

Solution Components
Intel components: Intel® Atom E3845 processor quad core
Cloud: Microsoft Azure
Gateway: Windows Embedded Standard 7

Geos & Purchase Contacts
Available: EMEA; Southeast Asia; APJ; PRC; Australia/New Zealand; United States
Intel contact: rfp.ready.kits@intel.com
Partner contact: connie.hsiao@adlinktech.com

Support Information
ADLINK solutions are described at: https://emb.adlinktech.com/en/index.aspx
To learn about industrial solutions from Intel, visit: https://www.intel.com/content/www/us/en/industrial-automation/overview.html

Solution Diagram
- MVTec MERLIC Vision Software
- Cloud Service
- Dashboard
- DC Power
- IO/Io
- Robot
- GigE port
- USB 2.0, VGA
- Cloud Service
- Mouse
- Dongle
- Keyboard
- Monitor
- Camera
- Hub
- RS232
- Pick and Place
- Sorting
- Alignment
- Gauge
- OCU/Barcode
- Inspection

Sample Applications
- Electronics and Semiconductor
- Food and Beverage Sorting
- Automotive
- Logistics

Additional Links
- Data Sheet
- User Guide
- Configuration Guide
- API/SDK*
- Order here today!

*No API guide available. Kit uses a standard programmatic library API for smart cameras
A machine condition monitoring edge platform ideally suited for data acquisition and vibration measurement applications. Delivering 24-hour vibration monitoring for rotating machinery and equipment.

- Seamless interconnection
- Automatic event alarm notices

**Solution Components**

**Intel components:** Intel® Atom™ x7-E3950 Processor

**Gateway:** Windows 10 IoT Enterprise/ Windows 10 IoT Core, Ubuntu Linux

**Support Information**

**ADLINK solutions are described at:** https://emb.adlinktech.com/en/index.aspx

To learn about industrial solutions from Intel, visit: https://www.intel.com/content/www/us/en/industrial-automation/overview.html

**Value Prop**

- Helps sustain efficient performance by enabling users to forecast potential problems in order to implement preventative measures and conduct equipment maintenance or replacement

**Solution Overview**

A machine condition monitoring edge platform ideally suited for data acquisition and vibration measurement applications. Delivering 24-hour vibration monitoring for rotating machinery and equipment.

**Solution Diagram**

- **WLAN**
- **Physical characteristics of vibration, Trends, Machine conditions**
- **Third Party Cloud Service Providers**
- **Customer Data Service**
- **Dashboard**

**ADLINK Offering**

*Phoenix GM Lite*

*MCM-100*

*Sensors*

Robot

Motor

Bump

Bearing

Fan Coil

**Facility Management**

Steel Mill

Semicon

Pump Station

Power Substation

**Equipment Maker**

Air Compressor

CNC

Instrumentation

Screw Machine

**MCM-100**

**Value Prop**

- Helps sustain efficient performance by enabling users to forecast potential problems in order to implement preventative measures and conduct equipment maintenance or replacement

**Solution Components**

**Intel components:** Intel® Atom™ x7-E3950 Processor

**Gateway:** Windows 10 IoT Enterprise/ Windows 10 IoT Core, Ubuntu Linux

**Support Information**

**ADLINK solutions are described at:** https://emb.adlinktech.com/en/index.aspx

To learn about industrial solutions from Intel, visit: https://www.intel.com/content/www/us/en/industrial-automation/overview.html

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**Gateway:** Windows 10 IoT Enterprise/ Windows 10 IoT Core, Ubuntu Linux

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**ADLINK solutions are described at:** https://emb.adlinktech.com/en/index.aspx

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**Gateway:** Windows 10 IoT Enterprise/ Windows 10 IoT Core, Ubuntu Linux

**Support Information**

**ADLINK solutions are described at:** https://emb.adlinktech.com/en/index.aspx

To learn about industrial solutions from Intel, visit: https://www.intel.com/content/www/us/en/industrial-automation/overview.html
**IEI TANK AIOT DEVELOPMENT KIT**

**Solution Overview**

Pre-configured, embedded computer platform designed to increase the productivity of computer vision solutions and interface systems for AI.

- Flexibility for hardware expansion
- Dual independent display for high resolution support
- OpenVINO™ Toolkit

**Value Prop**

- Ensure optimal performance to analyze multiple HD video streams and large amounts of sensor data
- Help eliminate challenges in determining package dependencies with preloaded tools for deployment for each operating system stack

**Solution Components**

**Intel component:** 6th Gen Intel® Core™ i5-7 processor with Intel® Q170 chipset

**Hardware:** IEI Tank 870-Q170, Power cable, WiFi with antennae

**Preinstalled OS:** OpenVINO™ toolkit, Intel® Media SDK, Ubuntu* 16.04 desktop LTS, Intel® System Studio 2018

**Geos & Purchase Contacts**

**Availability:** Europe; Americas; Southeast Asia; APJ; PRC; Australia/New Zealand

**Intel contact:** rfp.ready.kits@intel.com

**Partner contact:** tankaiot@ieiworld.com

**Support Information**

IEI solutions are described at: https://www.ieiworld.com/


**Solution Diagram**

- Numerous Face Analysis
- Numerous Car Plate analysis
- Machine Vision

- IP Camera
- IPCIE-4POE
- Fanless
- Dual Display
- PCI/PCIe Expansion
- DDR42133

**Order here today!**
Intelligent digital signage solution harnessing real-time data insights to identify demographic and display relevant, interactive and personalized ads
- Smart signage with facial recognition
- Reliable statistics and market feedback data

**Value Prop**
- Helps to enhance the shopping experience and encourage purchasing with facial recognition for personalized ads and promotional information
- Promotes strategic marketing improvements through the collection of customer statistics

**Solution Components**
- Standard model: Avalue EPC-BYT2
- Intel® Celeron® SoC processor J1900
- Fanless Tiny System
- Cloud: Microsoft Azure

**Geos & Purchase Contacts**
- Availability: Global
- Intel contact: rfp.ready.kits@intel.com
- Partner contact: Jason_liu@avalue.com.tw

**Support Information**
Avalue solutions are described at: https://www.avalue.com.tw
To learn about retail solutions from Intel, visit: https://www.intel.com/content/www/us/en/retail/retailsolutions.html

**Renity Signs with Facial Recognition Structure**
- Detection/Recognition:
  - Recognition Results
  - Correspondent Advertisement
  - Get Discount
- Signage System:
  - Scan QR Code
  - Signage Monitor
- Result Data Send to Cloud
- Microsoft Azure
- Analysis Report Generated Automatically

Additional Links:
- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today! Click to request
**Value Prop**

- Maximize value with an open and easy-to-develop platform for support of third party software while maintaining low costs
- Elevate performance powerful computing capacity and real-time image processing of uncompressed images

**Solution Components**

- **Intel component:** Intel® Atom™ E3845 processor
- **OS platform:** 64-bit Windows 10 IoT Enterprise, Linux Ubuntu
- **Features:** Global Shutter CCD/CMOS, HD H.264 video streaming

**Geos & Purchase Contacts**

- **Availability:** Global
- **Intel contact:** rfp.ready.kits@intel.com
- **Partner contact:** yuzhong.wang@roseek.com

**Support Information**

Roseek solutions are described at:

To learn about Intel IoT solutions visit:

**Solution Diagram**

- **Sensor**
  - 14-bit ADC
  - H Driver
  - V Driver
  - P-Iris/DC-Iris Control

- **Power Subsystem**
  - ATOM™ E3845 (1.91GHz, Quad-Core)
  - 4GB DDR3L
  - 64GB eMMC
  - GigaEthernet (I210)

  - Digital IO, RS232, RS485, SD card, USB3.0, Micro-HDMI

**Additional Links**

- **Data Sheet**
- **User Guide**
- **Configuration Guide**
  - Click to request
- **API/SDK**
  - Click to request
- **Order here today!**
  - Click to request

---

**A reliable and high performing smart camera solution that includes a programmable machine vision, imaging platform**

- Face recognition and traffic vision
- Industrial MV with HALCON or Open CV
- Support for Linux, Microsoft Windows, and Onvif

**Maximize value with an open and easy-to-develop platform for support of third party software while maintaining low costs**

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**Elevate performance powerful computing capacity and real-time image processing of uncompressed images**

**Solution Overview**

- Global Shutter
- CCD/CMOS
- HD H.264 video streaming

**Solution Diagram**

- Sensor
  - 14-bit ADC
  - H Driver
  - V Driver
  - P-Iris/DC-Iris Control

- Power Subsystem
  - ATOM™ E3845 (1.91GHz, Quad-Core)
  - 4GB DDR3L
  - 64GB eMMC
  - GigaEthernet (I210)

  - Digital IO, RS232, RS485, SD card, USB3.0, Micro-HDMI
A reliable smart camera solution that includes image acquirement, processing, and system communication.

- Essential functions included
- Reliable system stability—a wide working temperature range with a low failure rate
- Support for Linux and Microsoft Windows

Maximize value with an open and easy-to-develop platform for support of third party software while maintaining low costs.

Elevate performance powerful computing capacity and real-time image processing of uncompressed images.

Intel component: Intel® Atom™ E3845 processor
OS platform: 64-bit Windows 10 IoT Enterprise, Linux Ubuntu

Features:
- 0.3 to 12 MP CCD/CMOS image sensor, HDMI display port, two constant current LED drivers

Reliable system stability—wide working temperature range with a low failure rate

Intel contact: rfp.ready.kits@intel.com
Partner contact: yuzhong.wang@roseek.com

Maximize value with an open and easy-to-develop platform for support of third party software while maintaining low costs.

Elevate performance powerful computing capacity and real-time image processing of uncompressed images.

Configuration Guide


Roseek solutions are described at: http://www.roseek.com/en/product/woodpecker1.html

Order here today!

Click to request

Click to request
A kit providing accurate WiFi RTT indoor positioning to mobile devices for navigation inside buildings such as offices, trade shows, supermarkets, hospitals, airports, etc.

- Miniature fanless design
- Built in extension module, FACET-CARD

Value Prop

- Increase productivity and enhance employee experience with real-time indoor positioning and guided navigation
- Improve business operations by gaining an understanding of the customer in-store journey, with real-time mobile location data

Solution Diagram

Solution Components

CPU: Intel® Atom® x7-E3950
LAN: 2x Intel® I211-AT
WIFI: Intel® Wireless-AC 8260
OS: Yocto

Geos & Purchase Contacts

Availability: NA, EMEA, APAC
Intel contact: rfp.ready.kits@intel.com
Partner contact: irad@compulab.co.il

Availability: NA, EMEA, APAC
Intel contact: rfp.ready.kits@intel.com
Partner contact: irad@compulab.co.il

Support Information

Compulab fit-IoT solutions are described at: https://www.fit-iot.com/

Additional Links

- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!
A Graphic Order Terminal (GOT) offering versatile and reliable data capture capabilities for warehouse, logistics, and retail operators to streamline workflow.

- Android and Windows-based
- Node-Watch Unified Cloud service
- Multifunction, ergonomic tablet dock

**Value Prop**

- Reduce complexity of device integration with I/O connections for application expansion and a unified cloud management solution
- Enhance efficiency of POS systems with flexible and versatile card reading and barcode scanning capabilities

**Solution Components**

**Intel component:** Intel® Atom™ x5 Z8350 processor 64 bit, Intel® HD Graphic Chipset  
**OS:** Windows 10, Android 5.x.  
**Hardware:** Cameras—2.0 MP and 8.0 MP; Sensors—Gyroscope, eCompass, light sensor; Barcode scanner—1D/2D scanner with physical trigger buttons

**Gladius G0830 Capabilities**

- WiFi
- Bluetooth
- Barcode
- QR Code
- RFID
- MSR
- Camera
- Battery
- IP 54
- NFC

**Support Information**

ARBOR solutions are described at: [https://www.arbor-technology.com/gl/Home](https://www.arbor-technology.com/gl/Home)  

**Geos & Purchase Contacts**

**Availability:** Global  
**Intel contact:** rfp.ready.kits@intel.com  
**Partner contact:** andrew.hsiao@arbor.com.tw

**Solution Diagram**

- Warehousing
- Logistics & Distribution
- Retail

- Gladius G0830

- Multi-purpose tablet dock with optional accessories

**Additional Links**

- Data Sheet
- User Guide Click to request
- Configuration Guide Click to request
- API/SDK Click to request
- Order here today!
An intelligent retail vending machine kit with transparent display window system and functions such as integrated face recognition, user interaction, and advertisement distribution.

- Cloud BOE server
- ADSDS panel
- Multi touch touchscreen

**Value Prop**

- Simplify system management with private cloud storage and access to system and customer data through multiple devices
- Enhance the customer experience with interactive touch screen and personalized product information based on real-time data

**Solution Components**

- **Intel Component:** Intel® Atom® Z8350
- **OS:** Android
- **Cloud Platform:** Independent BOE cloud server

**Geos & Purchase Contacts**

- **Availability:** Global
- **Intel contact:** rfp.ready.kits@intel.com
- **Partner contact:** zhaihongxiang@boe.com.cn

**Support Information**

BOE solutions are described at: http://www.boe.com/en/


**Solution Diagram**

- **Cloud Computing**
- **BOE Servers**

**Functions**

- Contactless Health Management Function
- Memo Function
- TV Function
- Video Phone Function
- Shopping
- Recipe Search Function

**Additional Links**

- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- PRC Order Request
- Global Order Request

Boe New Retail Vending Machine Suite
### Solution Overview

A flexible digital signage bundle including purpose built media players, rich content management software and template driven designing tools.

- Multi-QS, multi-user software: QL Professional
- Optional fanless chassis

### Value Prop

- Enhance customer experience with personalized content and targeted messaging at the point of decision, to increase sales and elevate your brand
- Make fast, informed business decisions with access to cloud-based data on a simple CMS and multi-user software platform

### Solution Components

**Software:**
- Kit bundle 1: Intel® Celeron® N3060
- Kit bundle 2: Intel® Core™ i3-5010U
- Kit bundle 3: Intel® Core™ i5-5300U

**Hardware:** Seneca XK-FLX, HD, or Fanless HD

### Geos & Purchase Contacts

- Availability: Global
- Intel contact: rfp.ready.kits@intel.com
- Partner contact: Scott.Falso@Arrow.com

### Support Information

Navori solutions are described at: [https://www.navori.com/](https://www.navori.com/)


### Additional Links

- [User Guide](#)
- [Configuration Guide](#)
- [API/SDK](#)
- [Order here today! Click to request](#)

### Solution Diagram

- **Media Players**
  - Seneca XK-FLX
  - Seneca HD
  - Seneca Fanless HD

- **Cloud Service**
  - Navori Signage Dashboard
  - QL Professional

- **Content Creation**
  - Dashboard

- **Content Manager**
UP IQRF IOT STARTER KIT

Solution Overview

Easy to deploy starter kit geared towards gateway solution creation and development, complete with an environmental sensor, relay, and IQRF repeater

• Tested for Linux operating system
• Extendibility with interoperable IQRF wireless mesh connectivity

Value Prop

• Enhance power and efficiency of gateway performance without high energy consumption for use in a variety of use cases
• Monitor and control devices remotely and reliably with interoperable wireless mesh connectivity

Solution Components

Intel component: Intel® Atom™ x5 Z8350 processor 64 bit
Hardware: DS-IOT-01 with IQRF set for wireless connectivity including Sensor kit (DDC-SE-01) and Relay Kit (DDC-RE-01), UP board 2GB + 32 GB eMMC memory

Geos & Purchase Contacts

Availability: Europe, Israel, USA, India
Intel contact: rfp.ready.kits@intel.com
Partner contact: alingwu@aaeon.eu alliance@iqrf.org

Support Information

IQRF solutions are described at: https://www.iqrf.org/ https://www.iqrfalliance.org and http://www.up-board.org/

Solution Diagram

Sensor Kit
Relay Kit
IQRF Repeater

Later you can add:

CO₂, RH, VOC Sensors
Wireless Relays
Power Sockets

IQRF Sensors & Actuators from IQRF Alliance members

IQRF Gateway

IoT Services

AWS IoT
Microsoft Azure
IBM Cloud

Service PC running IQRF IDE
**Solution Overview**
A cloud-based digital signage solution that allows you to turn any screen into an elegant, interactive digital sign, by easily uploading graphics and videos to your media players.
- Manage your devices remotely
- Built-in “Realtime mode” for rapid customizable content
- Quick and easy set up

**Value Prop**
- Simplify deployment with step-by-step setup and media upload supported by XOGO manager
- Reduce maintenance with free, automatic software updates for new features and bug fixes
- Improve customer experience with “Realtime mode” for interactive signage features

**Solution Components**
- *Intel component*: Intel® Celeron N3350 Processor
- *OS platform*: Windows 10 IoT Core
- *Cloud*: Microsoft Azure
- *Hardware*: Video output 4K2X x 30fps, APD power adapter 24w, with integrated WiFi Antenna

**Geos & Purchase Contacts**
- *Availability*: EMEA, Americas, Southeast Asia, APJ, PRC, Australia/New Zealand
- *Intel contact*: rfp.ready.kits@intel.com
- *Partner contact*: sales@xogo.io

**Support Information**
- XOGO solutions are described at: https://www.xogo.io/

**Solution Diagram**

**Additional Links**
- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!
A solar energy gateway kit that can securely utilize sensors and meters, leveraging digital controls and analytics for better monitoring and management of energy and information.

- Low power ICO300 Gateway
- Visual dashboard for users
- Centralized management
- Data storage at the cloud

**Value Prop**

- Reduce labor and inspection cost with remote data monitoring and analysis to observe on-site situations from anywhere
- Shorten time-to-response in the case of abnormal events, with all year-round (24/7) monitoring and alarm system

**Solution Overview**

**Solution Components**

- Intel component: Intel® Atom™ processor E3815
- OS platform: Windows® 7 or above
- Cloud: Microsoft Azure
- Hardware: 12 ~ 24 VDC wide range power input, 2 isolate 10/100/1000 Mbps Ethernet ports
- Storage: 16GB or above
- Memory: 4GB or above

**Geos & Purchase Contacts**

- Availability: Europe, Americas, APJ
- Intel contact: rfp.ready.kits@intel.com
- Partner contact: candice@axiomtek.com.tw

**Support Information**

- Axiomtek solutions are described at: http://www.axiomtek.com/

**Additional Links**

- AXView Solar Data Sheet
- ICO300 Data Sheet
- User Guide
- Configuration Guide
- API/SDK

**Order here today!**

Click to request

**Solution Diagram**

- Solar PV
- Sensor
- Inverter
- ICO300 IIoT Gateway
- Microsoft Azure
- Microsoft Azure Certified
- Remote Monitoring
- Azure Cloud Service
- Control Room
- Mobile devices
- RS-485 (Modbus)
- RS-485 (Modbus)
MOXA OIL & GAS DRILLING MONITORING SOLUTION

Solution Overview
A computing platform providing users with a powerful solution for high-speed serial communication, network redundancy, and dual storage.
• Access intelligent gateway acquisition and management with ThingsPro software
• Manage your assets anywhere, anytime

Value Prop
• Reduce cost with Moxa’s Proactive Monitoring and Smart Recovery software tools to take predictive maintenance measures for maximum system uptime
• Enhance versatility with a power efficient, automation computer, that offers an array of communication interfaces for diverse industrial applications

Solution Components
Intel component: Intel® Atom™ E3800
OS platform: Moxa ThingsPro IoT software
Cloud: Microsoft Azure
Hardware: MC-1100 Series computer

Geos & Purchase Contacts
Availability: EMEA, Americas, Southeast Asia, APJ, Australia/New Zealand
Intel contact: rfp.ready.kits@intel.com
Partner contact: taita.chou@moxa.com

Support Information
Moxa Oil & Gas solutions are described at:
https://www.moxa.com/
To learn about Intel IoT solutions visit:

Additional Links
- MC-1100 Data Sheet
- ThingsPro Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!

Solution Diagram

- Remote I/Os and Sensor
- Modibus Data
- XML/JSON/CSV
- MQTT / RESTful APIs
- Public/Private Cloud Database
- WiFi / LTE
- Local SCADA
- Modibus Data

User's Applications
- Device Configuration
- Remote Logging Service
- Configurable Modibus Framework

ThingsPro

A computing platform providing users with a powerful solution for high-speed serial communication, network redundancy, and dual storage.

Remote I/Os and Sensor

MC-1100 computing platform

Intel component: Intel® Atom™ E3800
OS platform: Moxa ThingsPro IoT software
Cloud: Microsoft Azure
Hardware: MC-1100 Series computer
**UP Squared AI Vision Development Kit**

### Solution Overview
A prototyping environment enabling developers to quickly implement and deploy computer vision solutions
- Pre-installed customer Ubuntu* Desktop OS
- Wide range of robust graphics and media performance
- Optimized for wide array of industrial applications

### Value Prop
- Get to work quickly with pre-installed custom OS, OpenVINO™ toolkit, and a USB HD camera
- Design with scalability using your choice of powerful Intel® processors and a plug-in VPU
- Expedite production with pre-installed IDE for prototyping

### Solution Components
**Intel component:** Intel® Atom™ x7-E3950 processor, Intel® HD Graphics Gen 9, AI Core with Intel® Movidius™ Myriad™ 2 VPU
**OS platform:** Linux Ubuntu
**Hardware:** UP2 board, USB HD vision camera

### Geos & Purchase Contacts
**Availability:** Africa/Middle East, Europe, Americas, Southeast Asia, APJ, PRC, Australia/New Zealand

**Intel contact:** rfp.ready.kits@intel.com
**Partner contact:** alingwu@aason.eu

**UP solutions are described at:** http://up-board.org/

### Support Information
**To learn about Intel IoT solutions visit:** https://www.intel.com/content/www/us/en/internet-of-things/overview.html

### Additional Links
- **AI Core Data Sheet**
- **UP2 Board Data Sheet**
- **User Guide**
- **Configuration Guide**
- **API/SDK**
- **Order here today!**

### Solution Diagram
- UP HD Camera
- UP Squared Board
- UP AI Core
- Cloud Services
- Intel OpenVINO & System Studio

Internet of Things Group
IEI TANK RUGGEDIZED SURVEILLANCE SOLUTION

Solution Overview
New generation smart, embedded computer platform designed to increase flexibility and security as a control center
- Ultra-rugged, fanless design to withstand harsh environments
- Supports QTS Gateway operating system

Value Prop
- Simplify system status monitoring and management with a visualized interface
- Enhance solution scalability and functionality with a diverse set of downloadable applications, such as surveillance and remote management

Solution Components
Intel Component: 6th/7th Gen Intel® Core™ processor, Intel® Q170 Chipset, Intel® I219LM PCIe controller, Intel® I210 PCIe controller
OS: GTS Gateway
Cloud Platform: Amazon® Web Services, Microsoft® Azure, Google® Cloud Storage

Geos & Purchase Contacts
Availability: Africa/Middle East, Europe, Americas, Southeast Asia, Asia/Pacific/Japan, PRC, Australia/New Zealand
Intel contact: rfp.ready.kits@intel.com
Partner contact: donyu@ieiworld.com
IEI solutions are described at: https://www.ieiworld.com/_index/en/

Order here today!

Solution Diagram

Features
- Automation
- Machine Vision
- Data Acquisition

Ruggedized DC Power Input

Fanless, Triple Display, PCi3 Mini Expansion, Dual LAN, PCIe Expansion

Additional Links
- Data Sheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!
An end-to-end solution that allows manufacturers to integrate their industrial production lines with the cloud

- Comprehensive device management and control
- Flexible deployment
- Compliant with OPC UA interoperability standard for industrial communication

- Improve operational efficiency with immediate access to valuable business insights
- Save time with easy configuration that can be setup in less than a day
- Deploy multiple applications with just one starter kit

Intel Component: Intel® Core™ i5 OS: Windows 10 IoT Enterprise*
Cloud Platform: Microsoft Azure*
Software: DataFEED OPC Suite*
Gateway: HPE GL20 IoT Gateway
Hardware: Power 9-36 VDC, Ethernet, PoE, Serial, 8 bit DIO, USB 2.0, USB 3.0, VGA, HDMI, speaker/microphone/line in

HPE Partner contact: galina.todorova-altran@hpe.com
Softing Partner contact: Sebastian.schenk@softing.com

 Availability: Globally

Intel contact: rfp.ready.kits@intel.com


Additional Links
- Gateway Datasheet
- Software Datasheet
- User Guide
- Configuration Guide
- API/SDK
- Order here today!

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