



INTEL® IOT RFP READY KIT SOLUTIONS PLAYBOOK

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RFP READY KIT SOLUTIONS PLAYBOOK INTRODUCTION



Purpose

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



Instructions for use

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.

OVERVIEW PAGE

RFP READY KIT OVERVIEW



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

INTRO

SEE WHAT'S NEW!

PLAYBOOK UPDATES



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



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

OVERVIEW

HOME PAGE

INTEL® IOT RFP READY KIT HOME PAGE

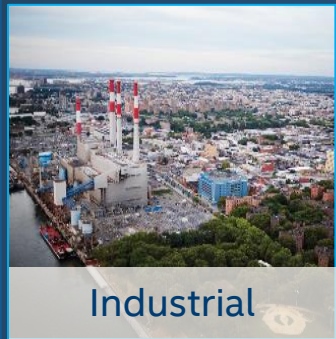


Click on the verticals below to see their solutions



Retail

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



Industrial

- Manufacturing
- Building Management
- Agriculture
- Energy



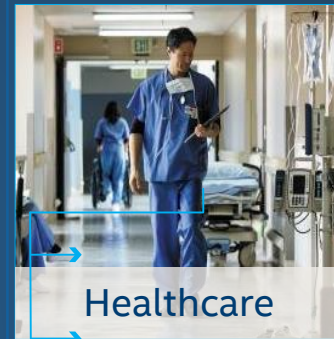
Transportation

- 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

RETAIL SOLUTIONS



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

POS & mobile POS

Inventory Management

Example Target Audience	Retail marketing department	Store operations	Retailer store and warehouse managers, operations/supply chain management
	AAEON Embedded Multi-Vision Starter Kit	Nexcom Smart Self-Ordering Kiosk	ARBOR Retail & GOT Solution
	AAEON Smart Vending Kit	FranPOS	
	Advantech UShop+ Intelligent Digital Signage	BOE New Vending Machine Retail Suite	
	Advantech UShop+ Intelligent eMenu Board		
	Advantech UShop+ Store Traffic Analytics		
	XOGO Mini 4k Digital Signage		
	Seneca and Navori Digital Signage Bundle		
	Avalue Interactive Digital Signage		

INDUSTRIAL SOLUTIONS



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.

	Manufacturing	Agriculture	Building Management	Energy
Example Target Audience	Factory operators and quality managers	Agribusiness owners, field operation managers	Residential and commercial building owners, real estate management	Energy and resource management department
	Advantech iFactory Nexcom Predictive Diagnostic Maintenance ADLINK Smart Camera ADLINK MCM-100 Roseek Industrial Machine Vision Smart Camera Development Kit Industrial IoT Starter Kit from HPE and Softing	Atomiton Precision Agriculture Kit Nexcom Intelligent Farming	<p>There are no current Building Management solutions</p>	Axiomtek Solar Energy Gateway Solution Moxa Oil & Gas Drilling Monitoring solution

TRANSPORTATION 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.

Fleet Management

Example Target Audience
Fleet managers, fleet operation managers

[Mobiliya Asset Tracking](#)

Logistics

Logistics analysts, warehouse managers, supply chain operations department

[KONTRON LoRa Connected Devices](#)

[Roseek Intelligent Transportation System Smart Camera Development Kit](#)

SMART CITIES SOLUTIONS



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.

	Smart Home/Building	Smart Lighting	Connected Transportation	Air Quality Management
Example Target Audience	Real estate developers, building owners, facility managers	City planners, maintenance directors	TBD	Environmental toxicologist/field technician, EPA compliance manager
	ECS Smart Home ECS Smart Building Compulab Fitlet2 FTMR for WiFi RTT Indoor Positioning	There are no current Smart Lighting solutions	There are no current Connected Transportation solutions	There are no current Air Quality Management solutions

HEALTHCARE SOLUTIONS



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.

Medical (in-hospital)

Example
Target
Audience

TBD

There are no current Medical (in-hospital) solutions

Remote Health Management

Telehealth physicians, home health nurses, virtual health coaches

[Intel® Health Application Platform](#)

HORIZONTAL SOLUTIONS



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 AIoT Development Kit

UP IQRF IoT Starter Kit

UP Squared AI Vision Development Kit

Connectivity

Plat'Home OpenBlocks IoT VX1

ECS SMART HOME



Solution Overview

A smart home kit that enables remote access of appliances and real time power management

- Remote access to appliances
- Real-time power management for minimum energy consumption
- Device & sensor management



Value Prop

- Enables customers to control and monitor their home anytime, anywhere
- Supports a comfortable living environment and minimum energy consumption



Solution Components

Sensor hub: Intel® Quark™ 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



Support Information

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

To learn about smart home solutions from Intel, visit <https://www.intel.com/content/www/us/en/internet-of-things/smart-home.html>

Additional Links

Data Sheet

Coming Soon!

User Guide

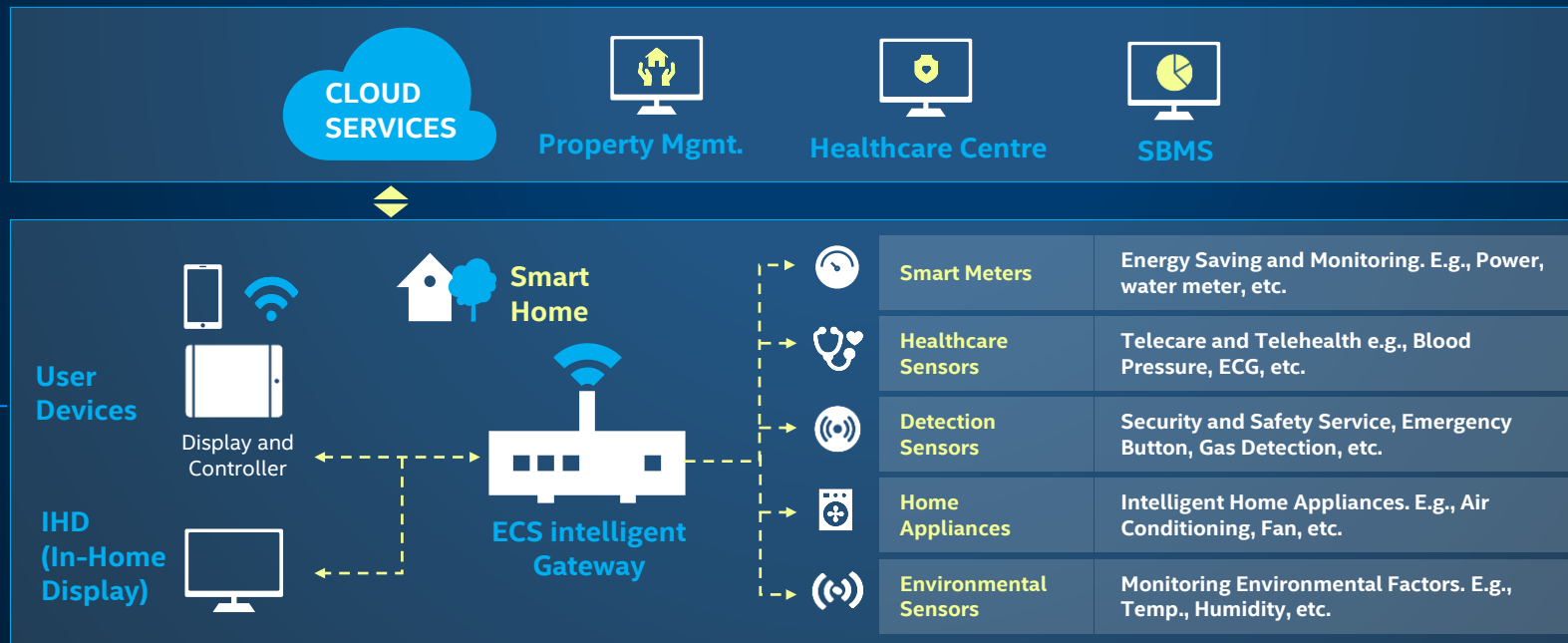
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Configuration Guide

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Solution Diagram



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® Quark™ 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>



Smart Meeting Room



Smart Energy Management

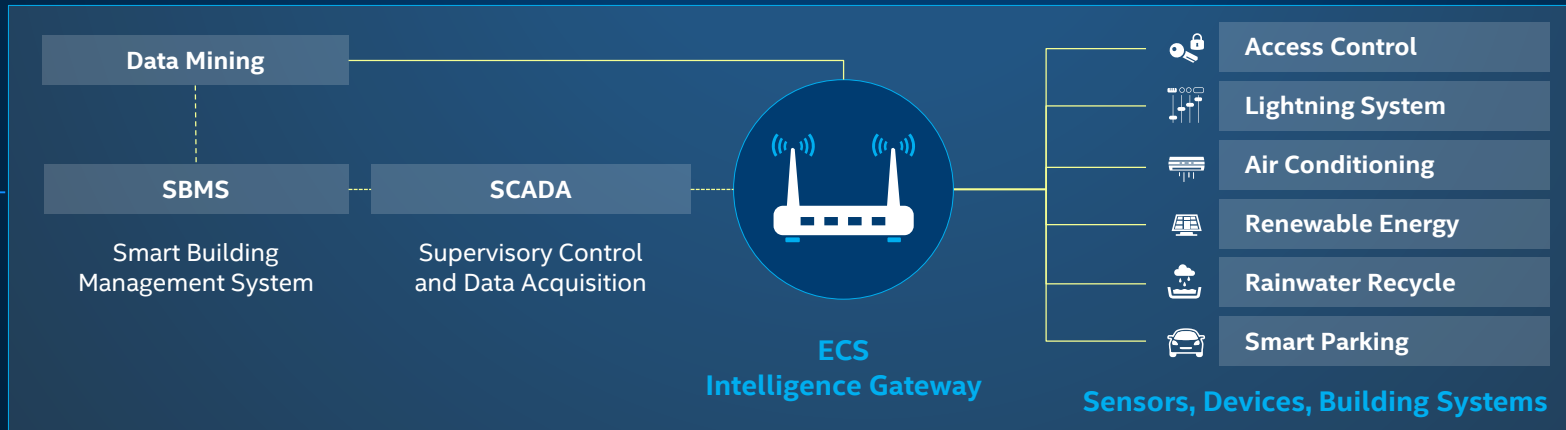


Smart Parking



Smart Renewable Energy

Solution Diagram



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Configuration Guide

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API

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AAEON SMART VENDING KIT



Back to Retail Solutions



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

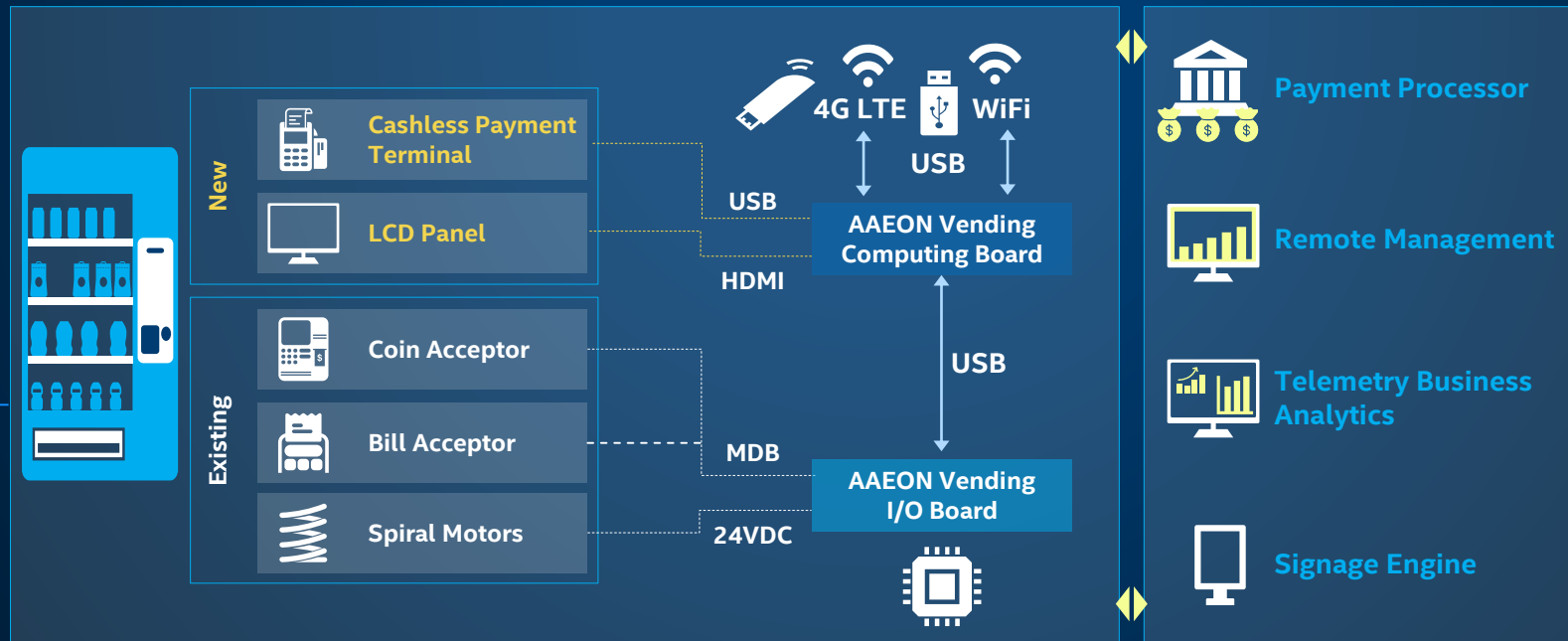
Aaeon solutions are described at:
<http://www.smartvending.us/>
<http://www.smartvendingnow.com>
smartvending@aaeon.com

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

Additional Links

- Data Sheet Coming Soon!
- User Guide Coming Soon!
- Configuration Guide Coming Soon!
- API/SDK Coming Soon!
- [Order here today!](#)

Solution Diagram



AAEON EMBEDDED MULTI-VISION STARTER KIT



Back to Retail Solutions



Solution Overview

- 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

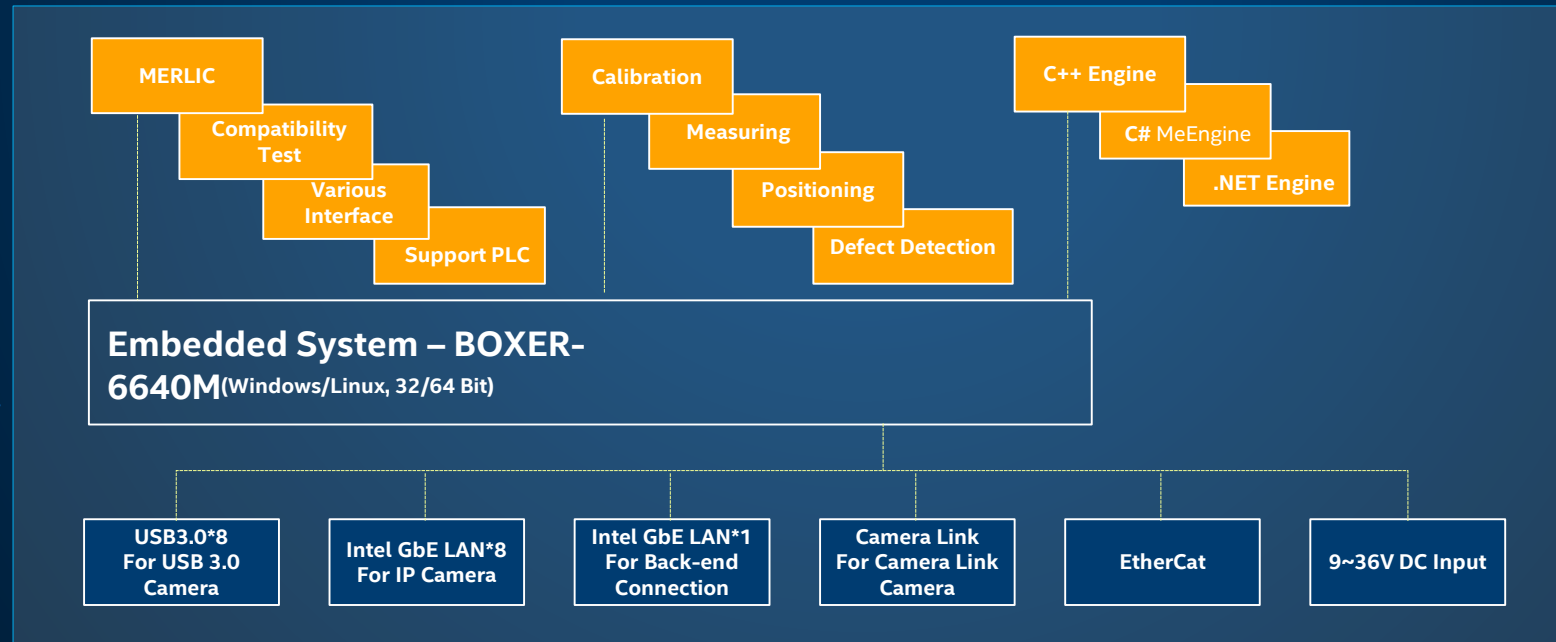
- Availability:** Global
- Intel contact:**
rfp.ready.kits@intel.com
- Partner contact:**
JasonC@aaeon.com



Support Information

- Aaeon solutions are described at:
<http://www.aaeon.com/en/c/machine-vision>
- To learn about retail solutions from Intel, visit:
<https://www.intel.com/content/www/us/en/retail/retailsolutions.html>

Solution Diagram



Additional Links

Data Sheet

User Guide

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Configuration Guide

API/SDK

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Solution Overview

FranPOS is a cloud Point of Sale platform designed for franchise and multi-site operations to help increase unit economics and sync data in real time

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



Value Prop

- 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

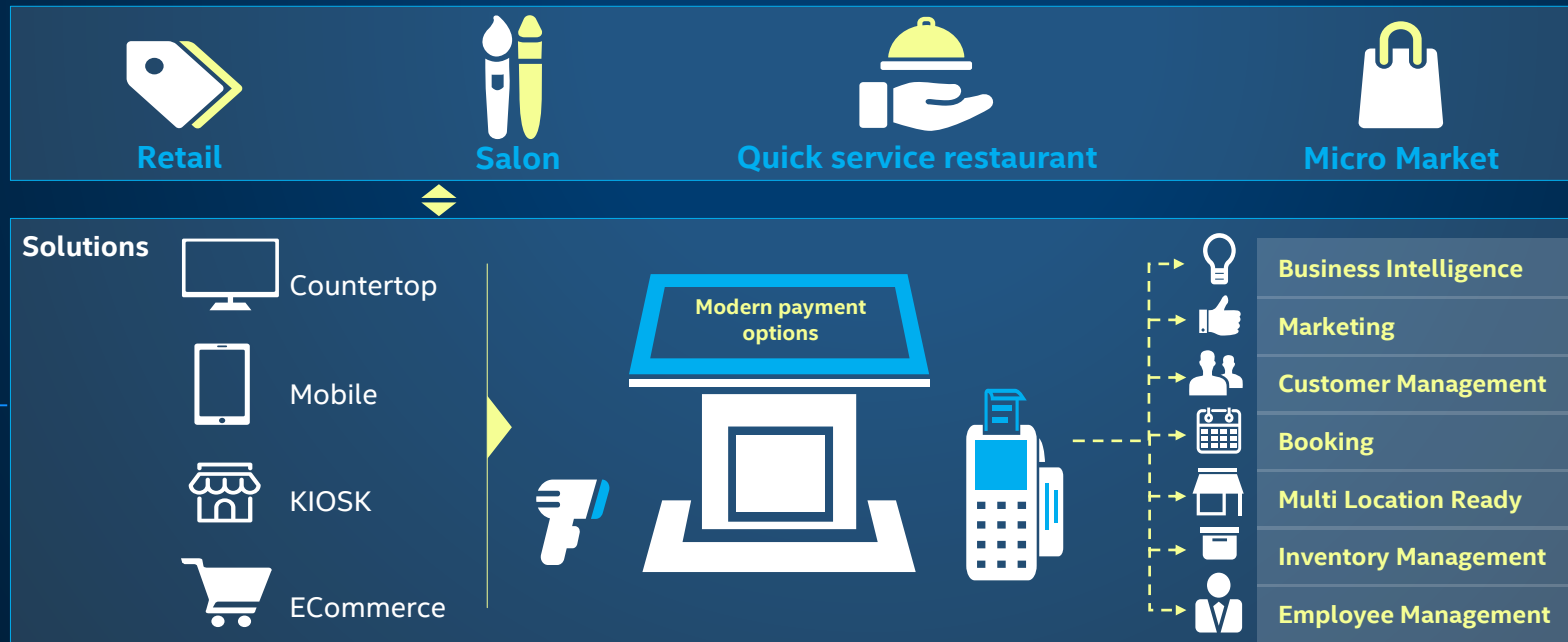
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Solution Diagram



ADVANTECH USHOP+ INTELLIGENT DIGITAL SIGNAGE



Solution Overview

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

Advantech solutions described at: <http://www.advantech.com/ushop-plus/srp-digital-signage>

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

Additional Links

Data Sheet

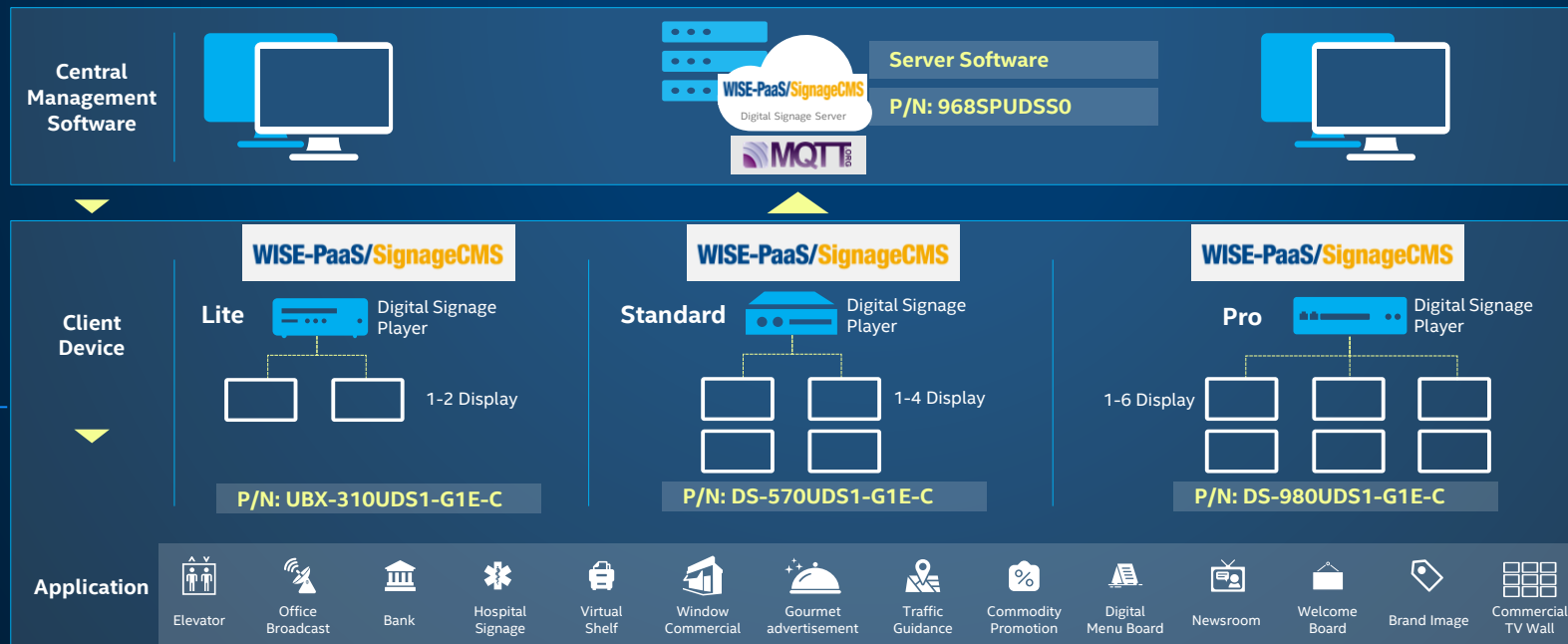
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Solution Diagram



ADVANTECH USHOP+ INTELLIGENT EMENU BOARD



Back to Retail Solutions



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 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

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

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

Additional Links

Data Sheet

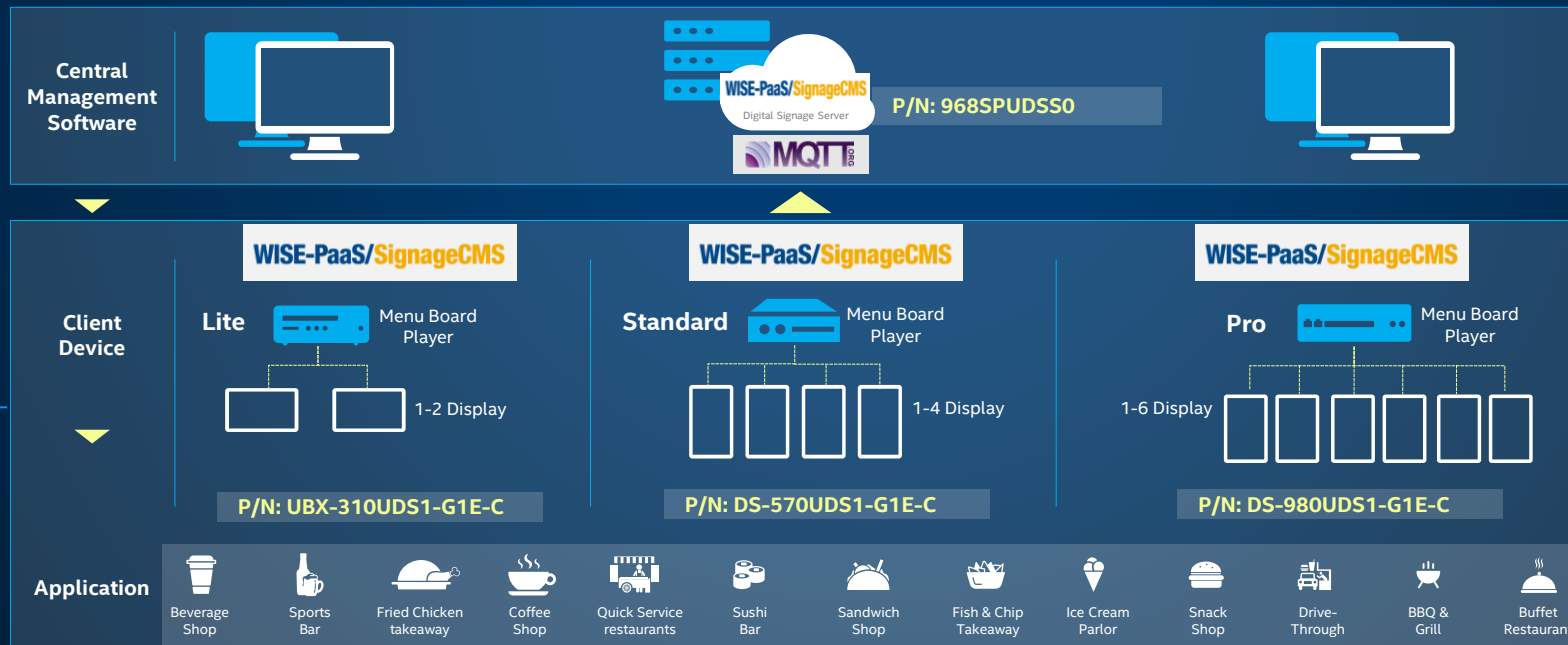
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Solution Diagram



ADVANTECH USHOP+ STORE TRAFFIC ANALYTICS



Back to Retail Solutions



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

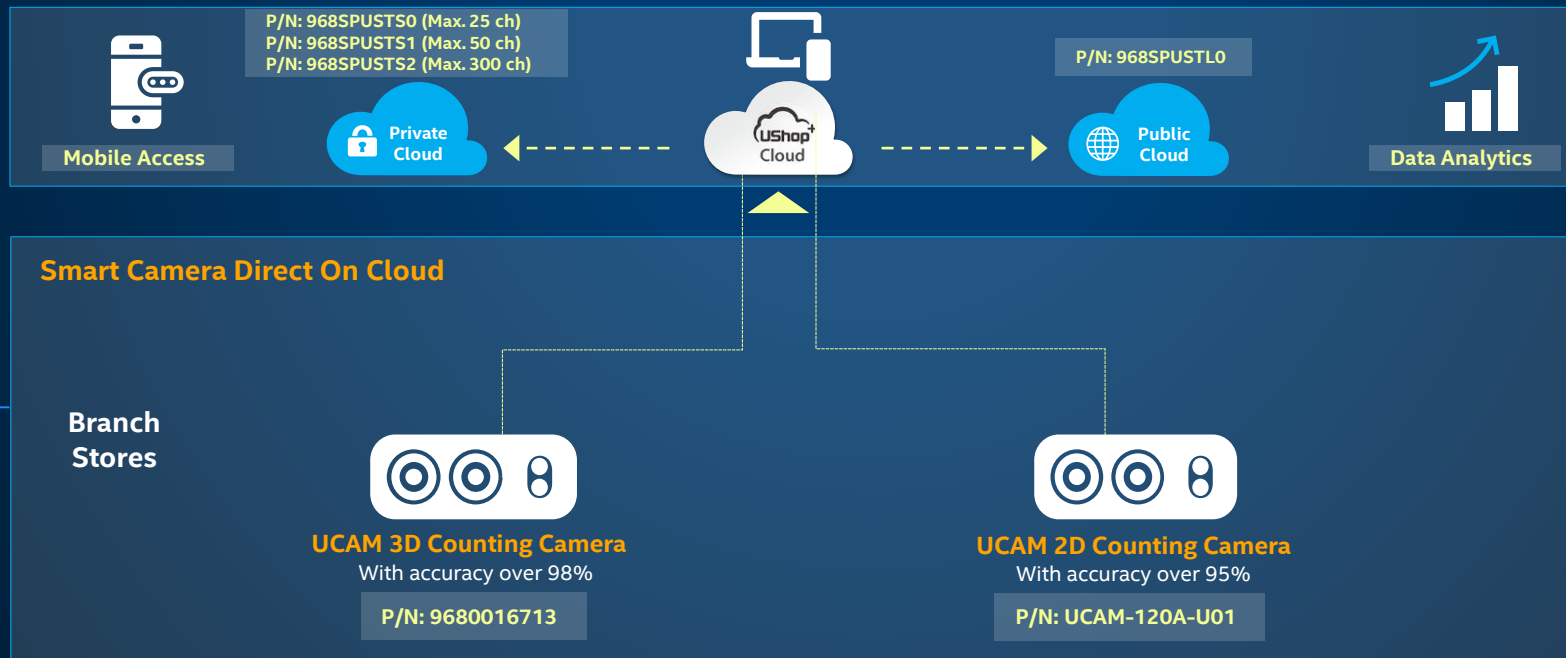
Advantech solutions described at:
<http://www.advantech.com/ushop-plus/srp-people-counting>

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

Additional Links

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Solution Diagram



PLAT'HOME OPEN BLOCKS



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



Geos & Purchase Contacts

Availability: Japan

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

Partner contact:
Sales: sales@plathome.com
Technical: timo@plathome.co.jp



Support Information

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

To learn about Intel IoT solutions visit:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Additional Links

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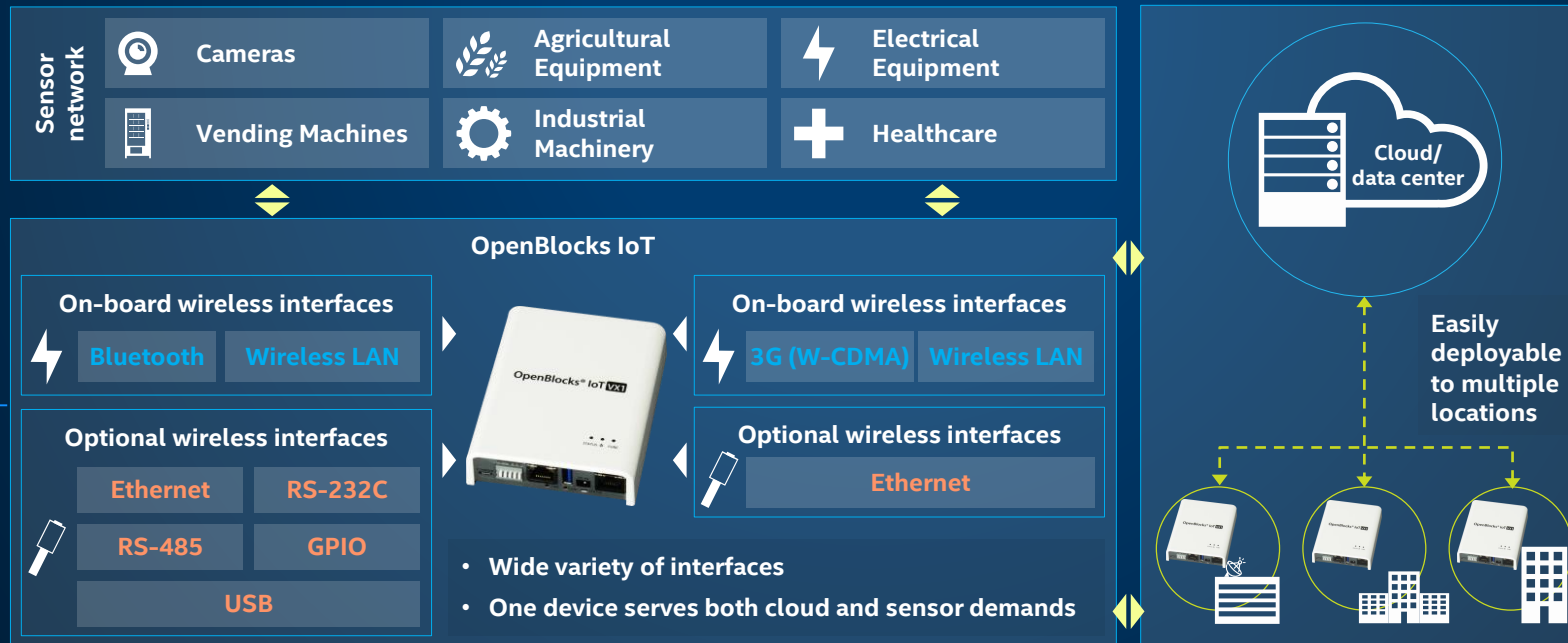
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Solution Diagram



CROWDOPTIC INTERSECT



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

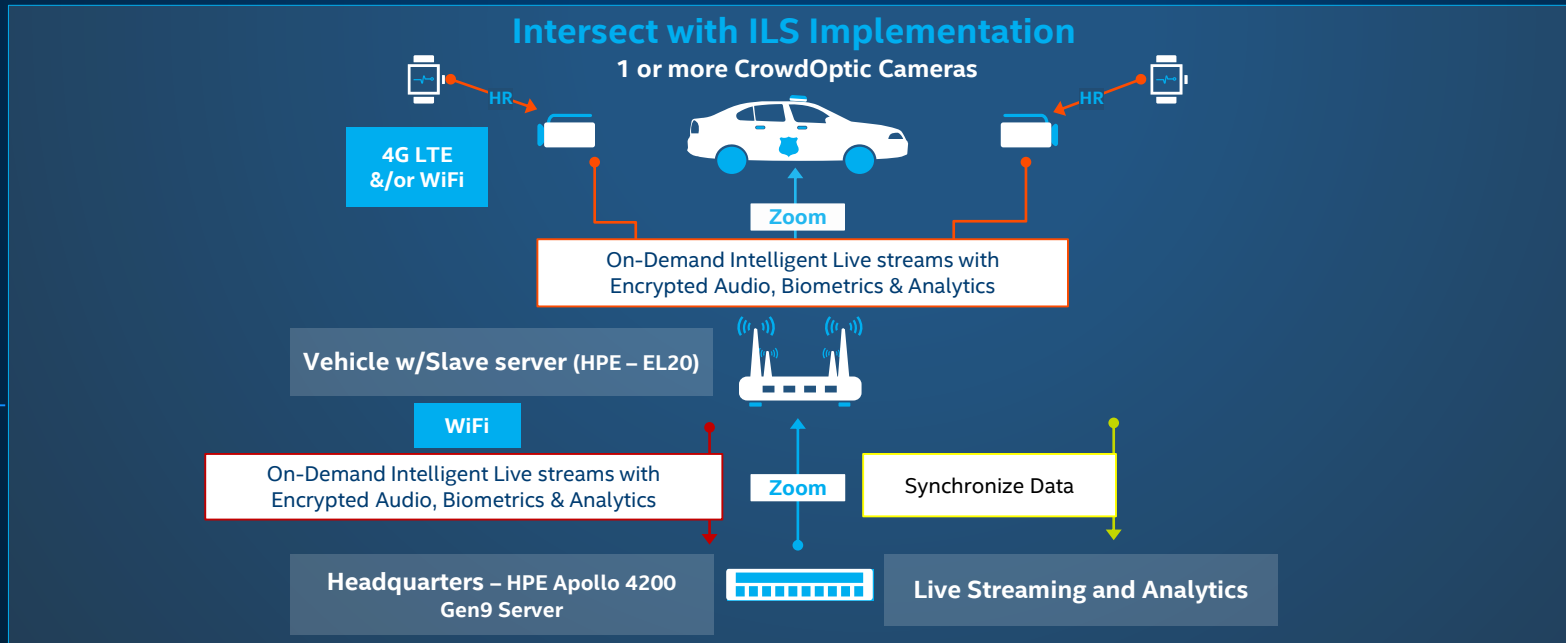


Support Information

CrowdOptic solutions are described at:
<https://intersect.crowdoptic.com/>

To learn about smart video solutions from Intel, visit:
<https://www.intel.com/content/www/us/en/embedded/solutions/smart-video/video-overview.html>

Solution Diagram



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KONTRON LORA™ CONNECTED DEVICES



Solution Overview

- 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



Value Prop

- 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



Geos & Purchase Contacts

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

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

Partner contact:
harvey.berman@kontron.com



Support Information

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

To learn about transportation solutions from Intel, visit:
<https://www.intel.com/connect/d-transportation-logistics>

Additional Links

Data Sheet

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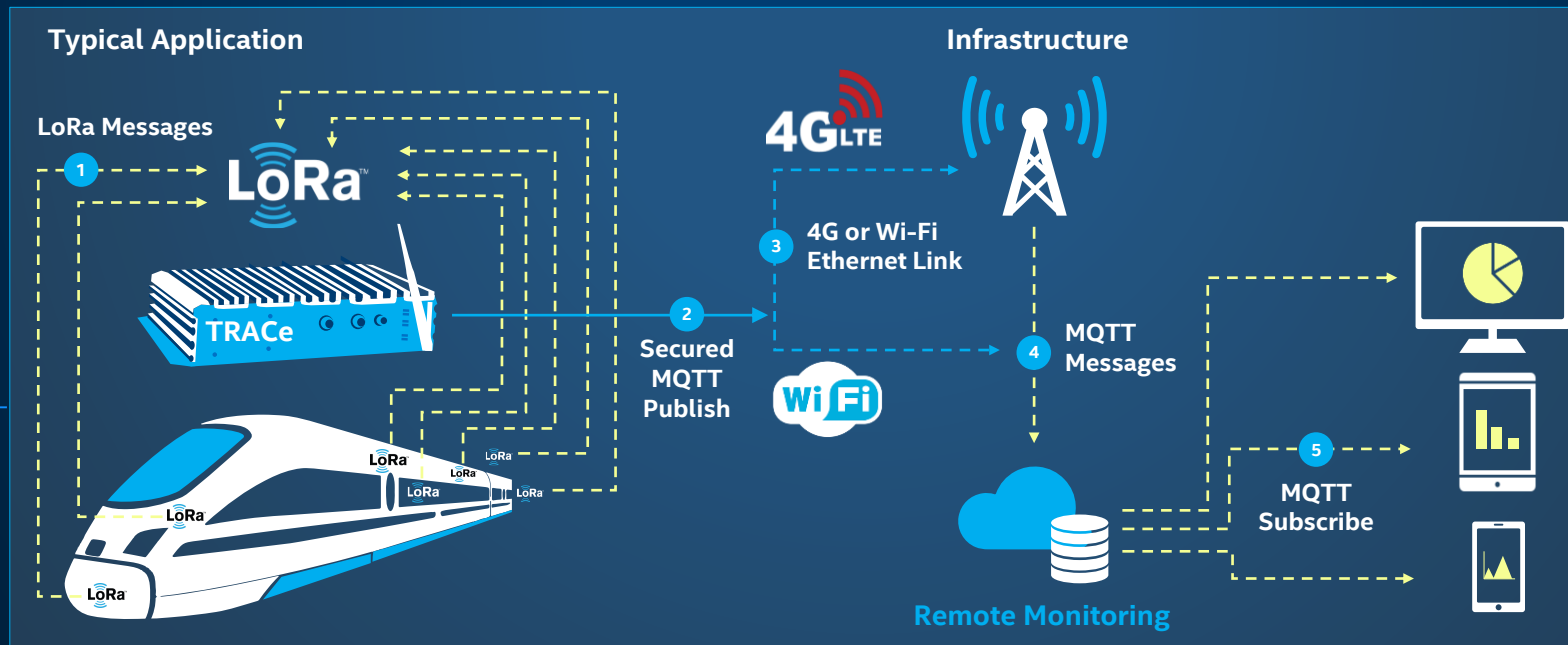
Configuration Guide

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Solution Diagram



ATOMITON PRECISION AGRICULTURE



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>

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

Additional Links

Data Sheet

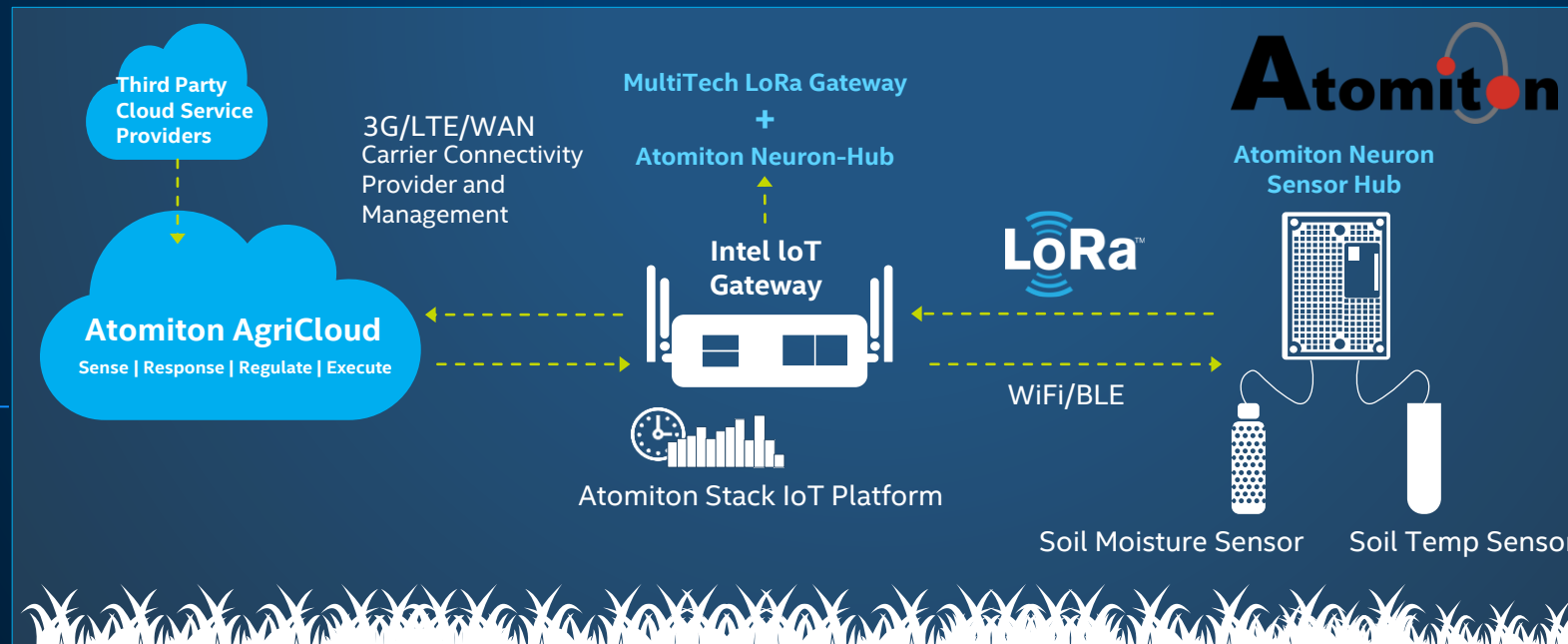
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Solution Diagram



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 CIPU/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>

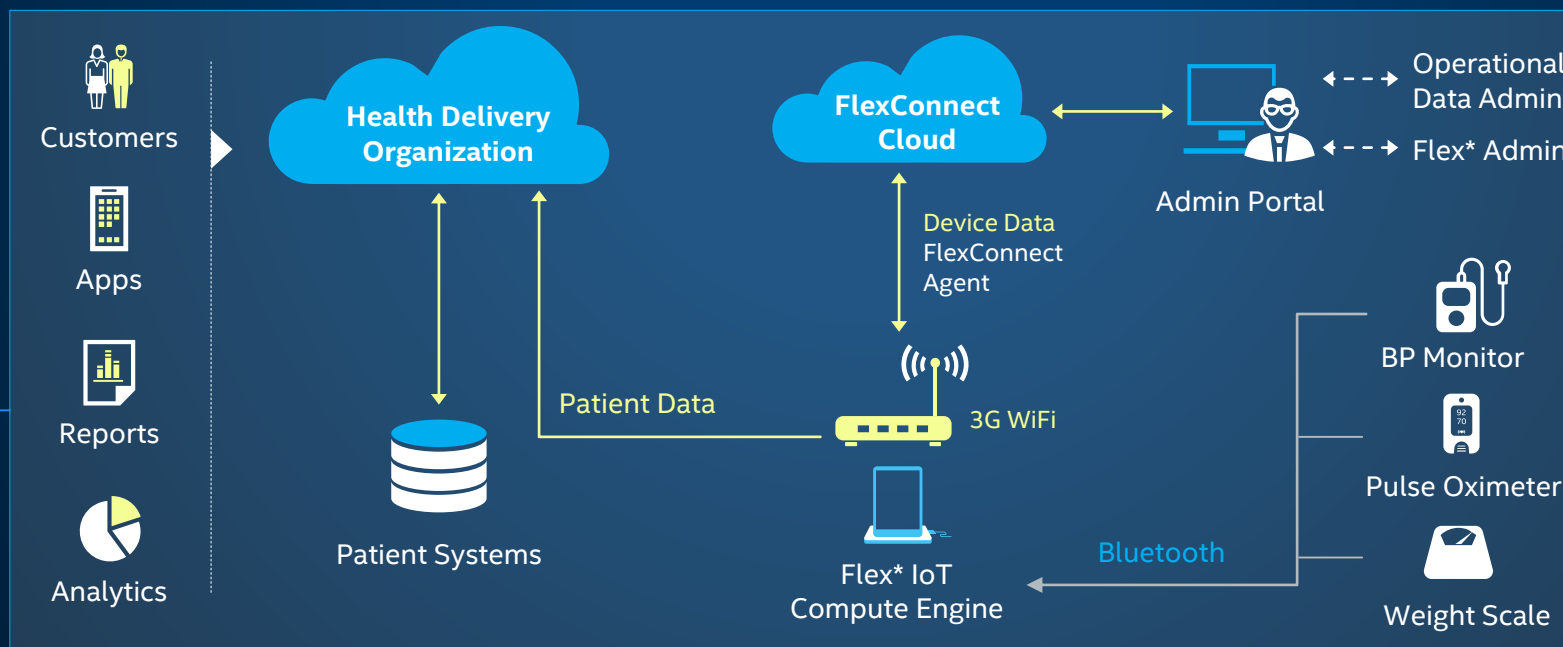
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Solution Diagram



ADVANTECH IFACTORY



Solution Overview

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 device



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:
<https://www.intel.com/content/www/us/en/industrial-automation/overview.html>

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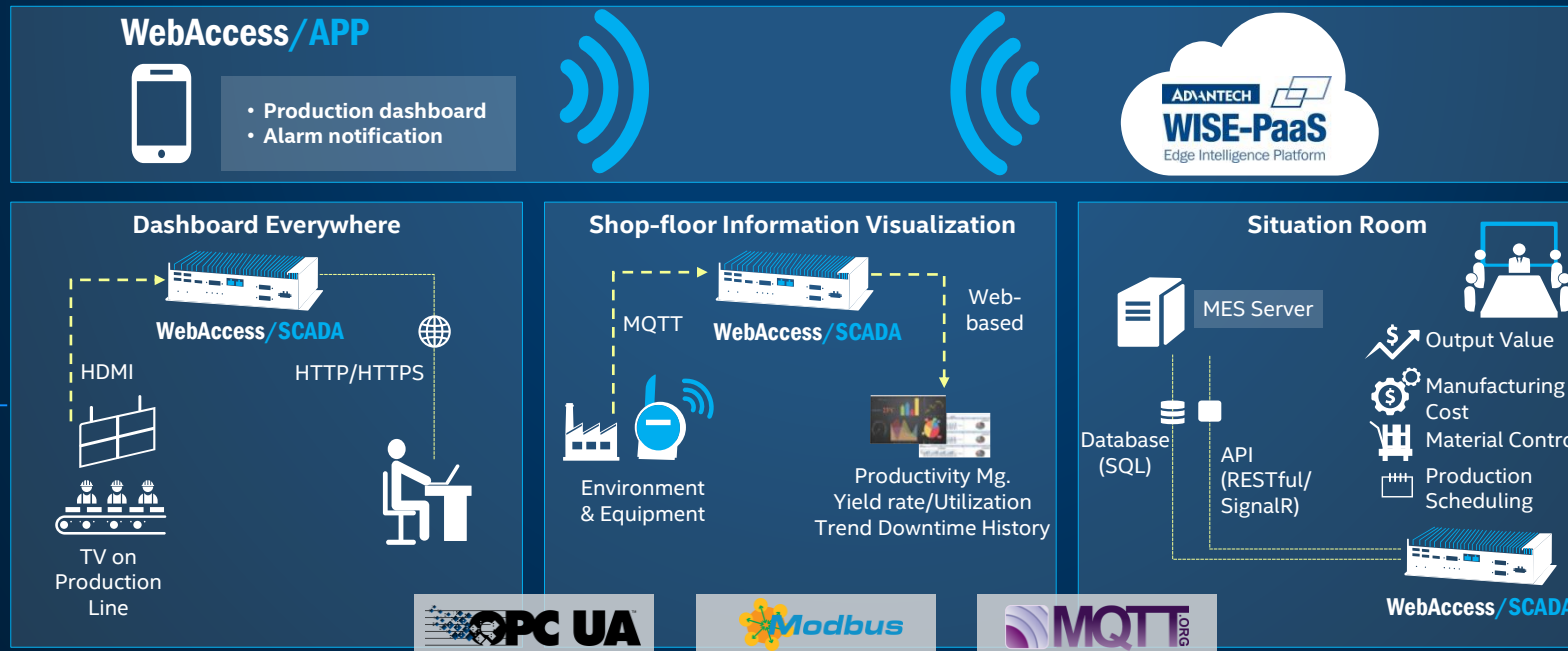
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Configuration Guide Coming Soon!

API Coming Soon!

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Solution Diagram



MOBILIYA ASSET TRACKING



Solution Overview

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



Support Information

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>

Additional Links

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Solution Diagram



Things



Smart Label Sensors
Accelerometer

- GPS
- Temperature
- Pressure
- Moisture



Connectivity

Dell Edge Gateway 5000 Series



Dell Edge Gateway 3000 Series



Global Infra

- ✓ Local Ingestion
- ✓ Analytics
- ✓ Location



Data Ingestion



Data Analysis

Stream Analytics

Anomaly Detection

Predictive Analysis



Application

Visualization

Android & iOS

Web Console



People & Process

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

NEXCOM SMART SELF-ORDERING KIOSK



Solution Overview

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



Value Prop

- 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



Solution Components

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

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

OS platform: Linux



Geos & Purchase Contacts

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

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

Partner contact:
nelsonchang@nexcom.com.tw



Support Information

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>

Additional Links

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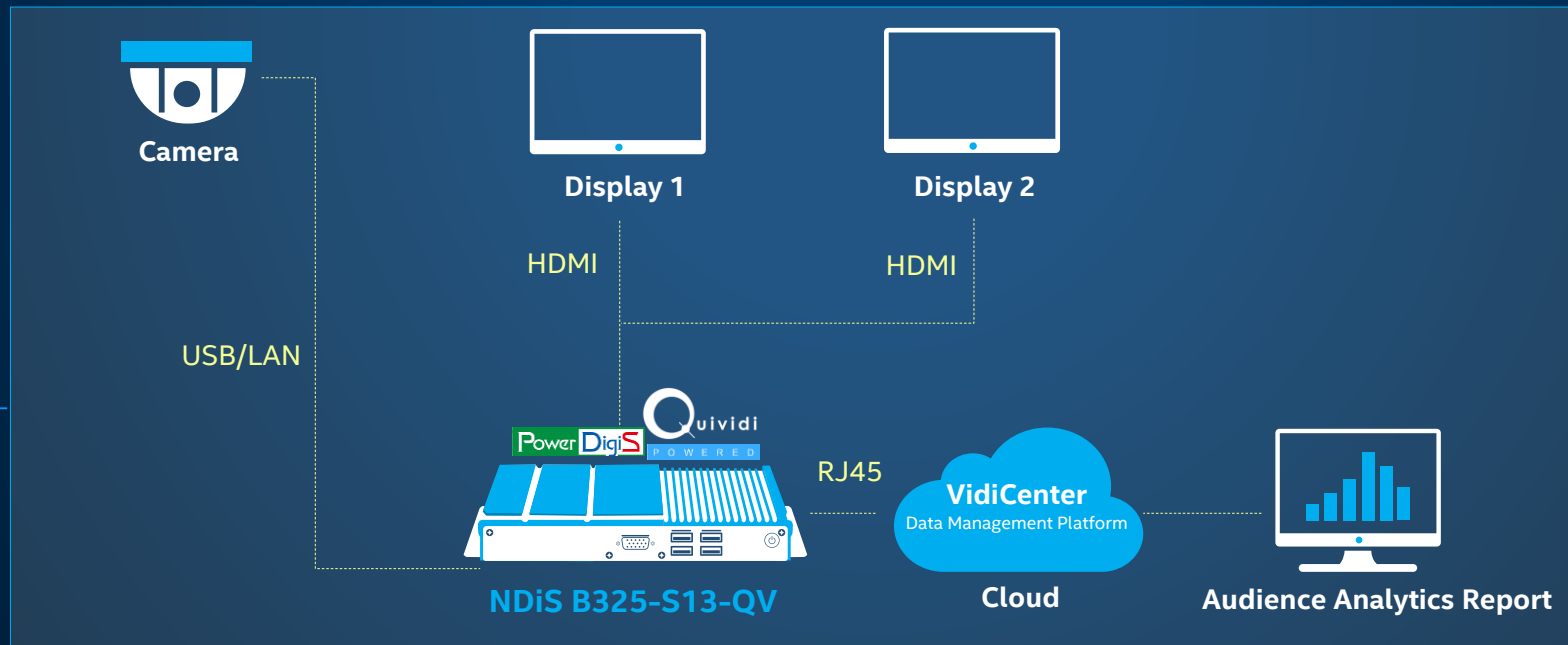
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API/SDK

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Solution Diagram



NEXCOM INTELLIGENT FARMING



Solution Overview

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



Value Prop

- 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



Geos & Purchase Contacts

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

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

Partner contact:
jimmychang@nexcom.com



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>

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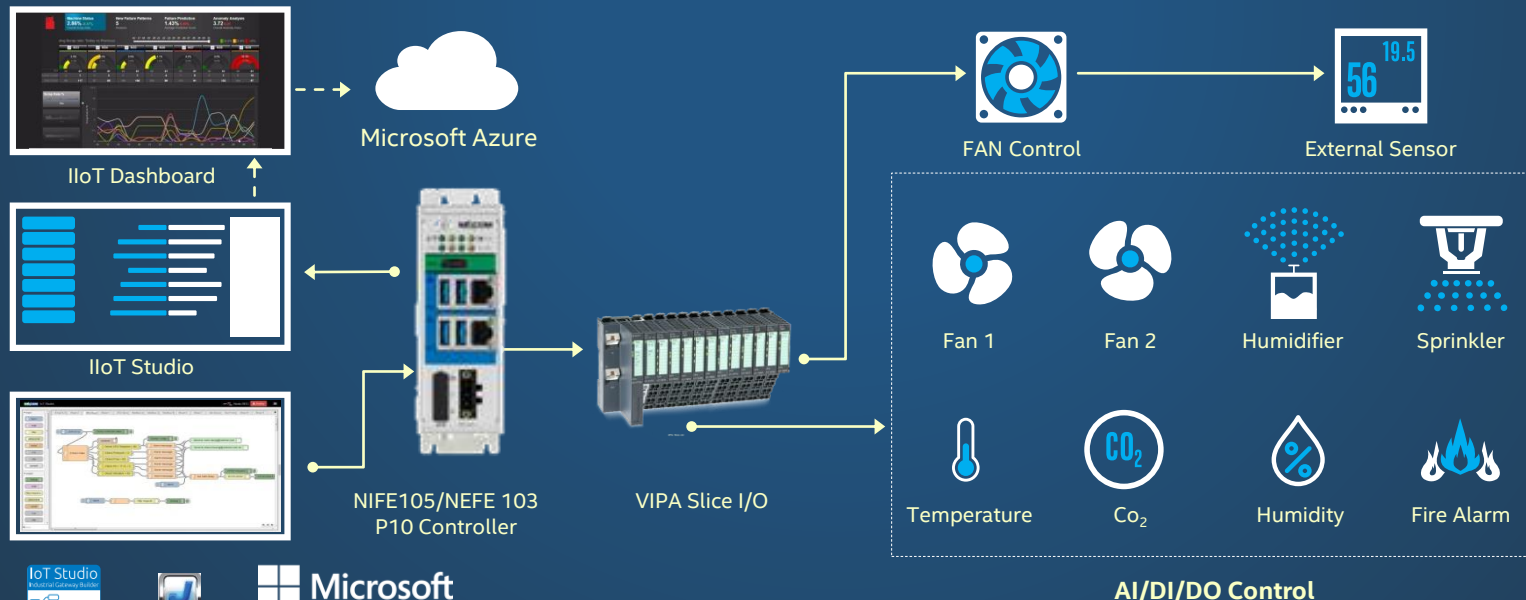
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Solution Diagram



NEXCOM PREDICTIVE DIAGNOSTIC MAINTENANCE



Solution Overview

- A predictive maintenance solution for rotary machinery. Includes:
- Simulation rotor kit
 - IoT gateway with the predictive/analysis software
 - IoT communication technology



Value Prop

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



Solution Components

Intel component: Intel® 4th Gen Core-I Series CPU and Chipset

Cloud platform: Microsoft Azure

OS platform: Windows 10 IoT Enterprise



Geos & Purchase Contacts

Availability: EMEA, Americas, Southeast Asia, APJ, PRC, Australia/New Zealand

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

Partner contact:
jimmychang@nexcom.com



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

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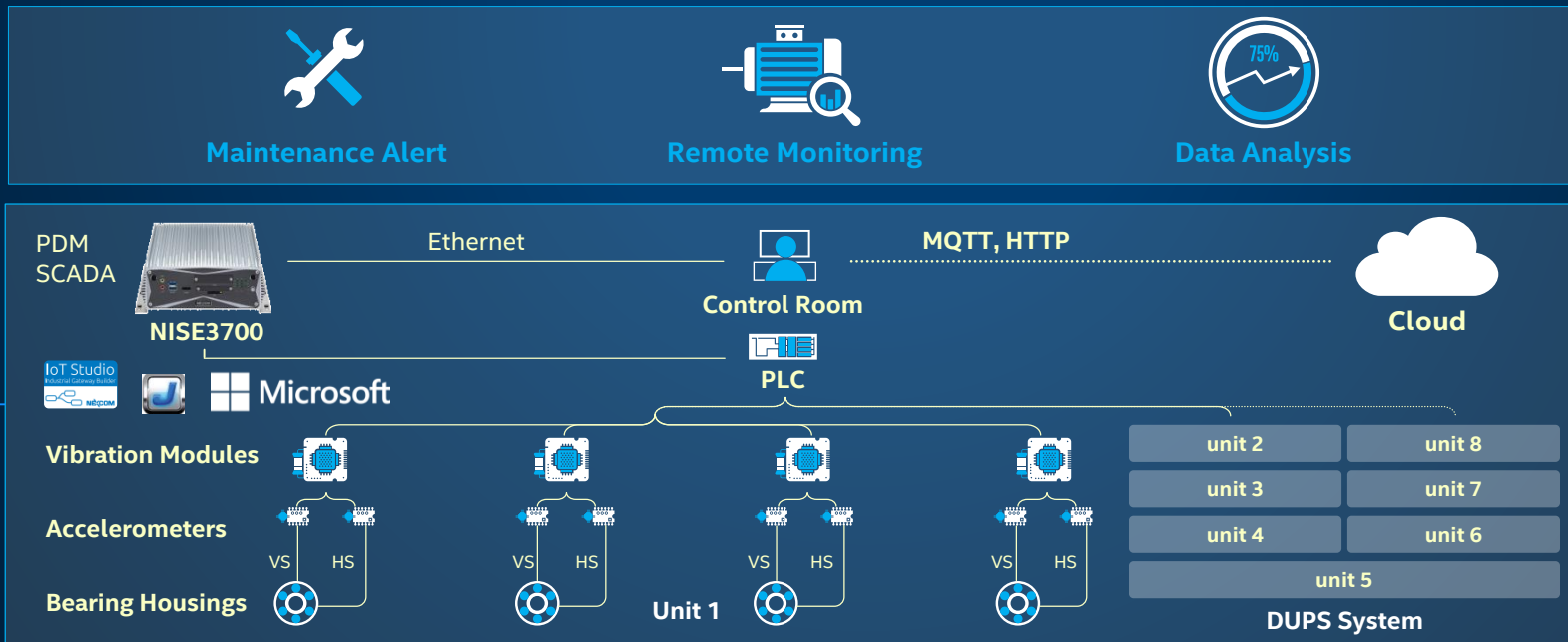
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Solution Diagram



ADLINK SMART CAMERA



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

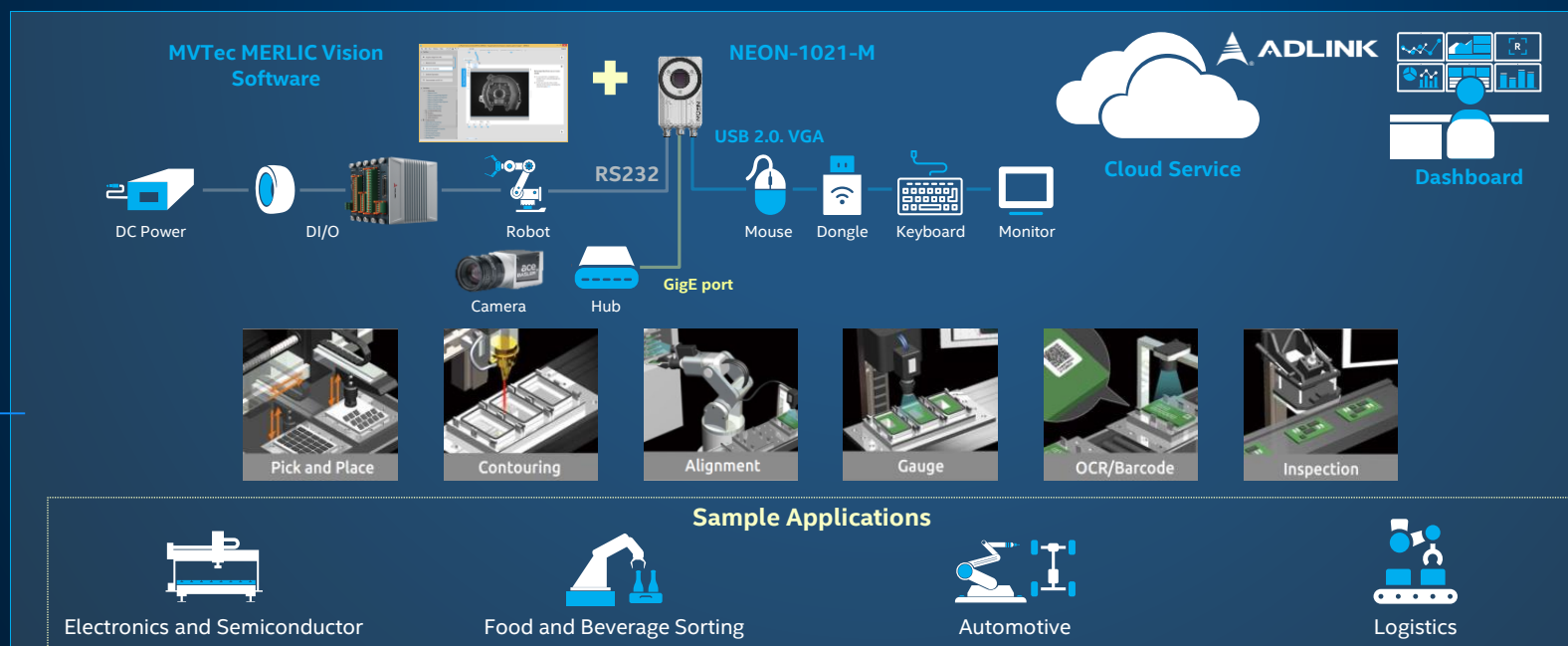


Support Information

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



Additional Links

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ADLINK MCM-100



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.

- Seamless interconnection
- Automatic event alarm notices



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



Geos & Purchase Contacts

Available: EMEA; Southeast Asia; APJ; PRC; Australia/New Zealand

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

Partner contact:
ireneyy.chang@adlinktech.com

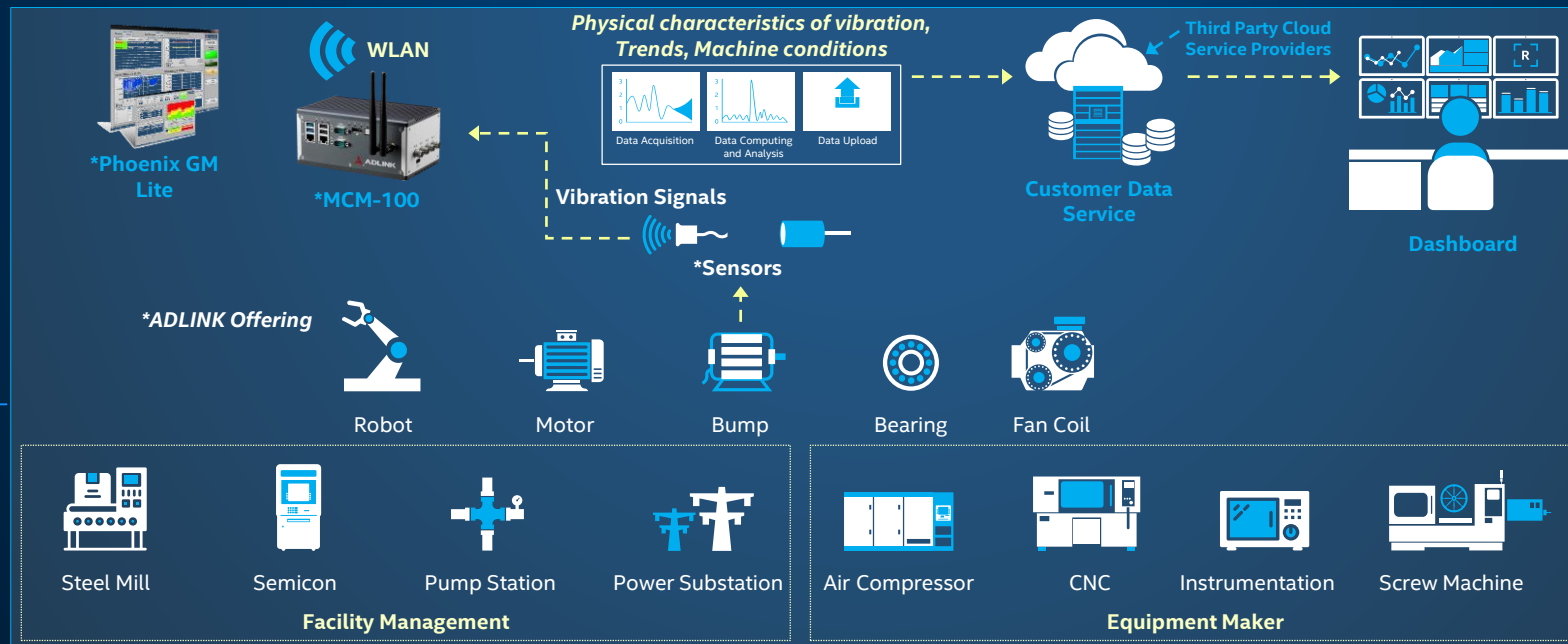


Support Information

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



Additional Links

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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-i7 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/>

To learn about Intel IoT solutions visit: <https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Additional Links

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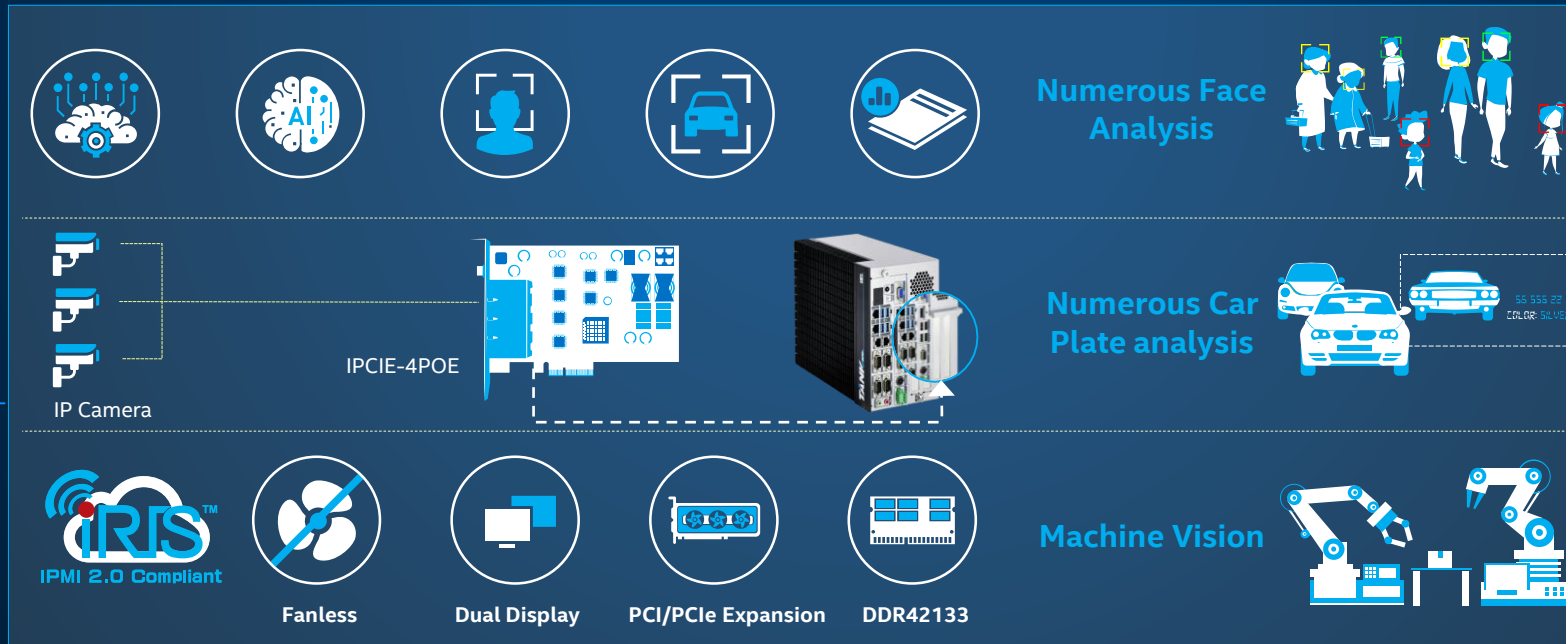
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Solution Diagram



AVALUE INTERACTIVE DIGITAL SIGNAGE



Solution Overview

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>

Additional Links

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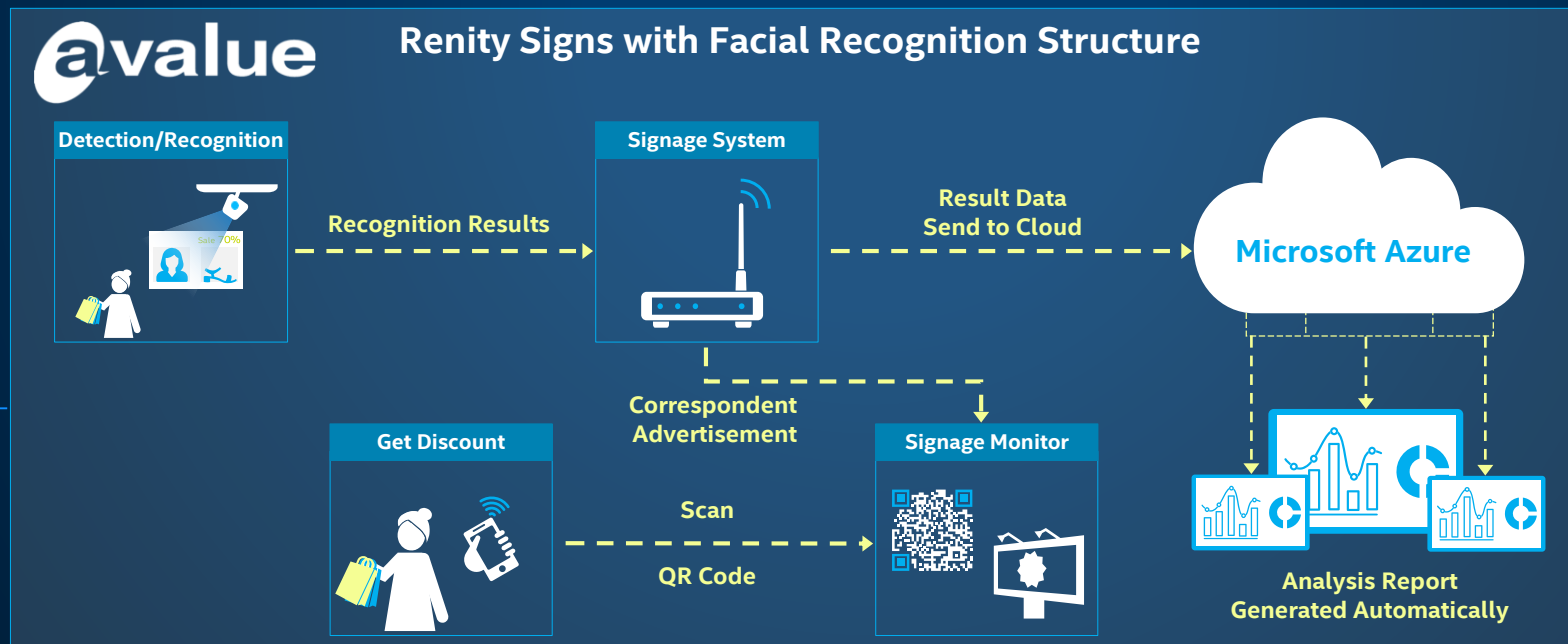
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Solution Diagram



ROSEEK INTELLIGENT TRANSPORTATION SYSTEM SMART CAMERA DEVELOPMENT KIT



Solution Overview

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



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:
<http://www.roseek.com/en/product/cheetah1.html>

To learn about Intel IoT solutions visit:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Additional Links

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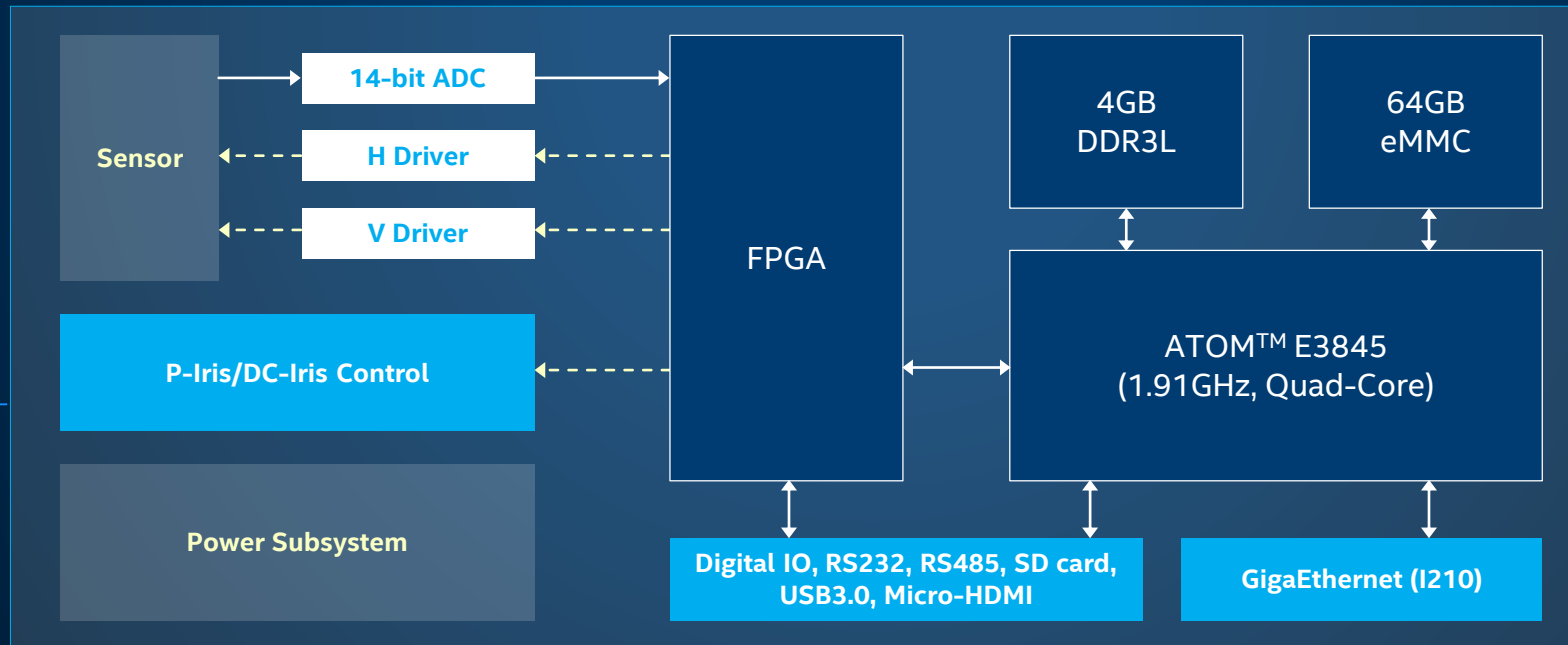
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Solution Diagram



ROSEEK INDUSTRIAL MACHINE VISION SMART CAMERA DEVELOPMENT KIT



Solution Overview

A reliable smart camera solution that includes image acquisition, 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



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



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:
<http://www.roseek.com/en/product/woodpecker1.html>

To learn about Intel IoT solutions visit:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Additional Links

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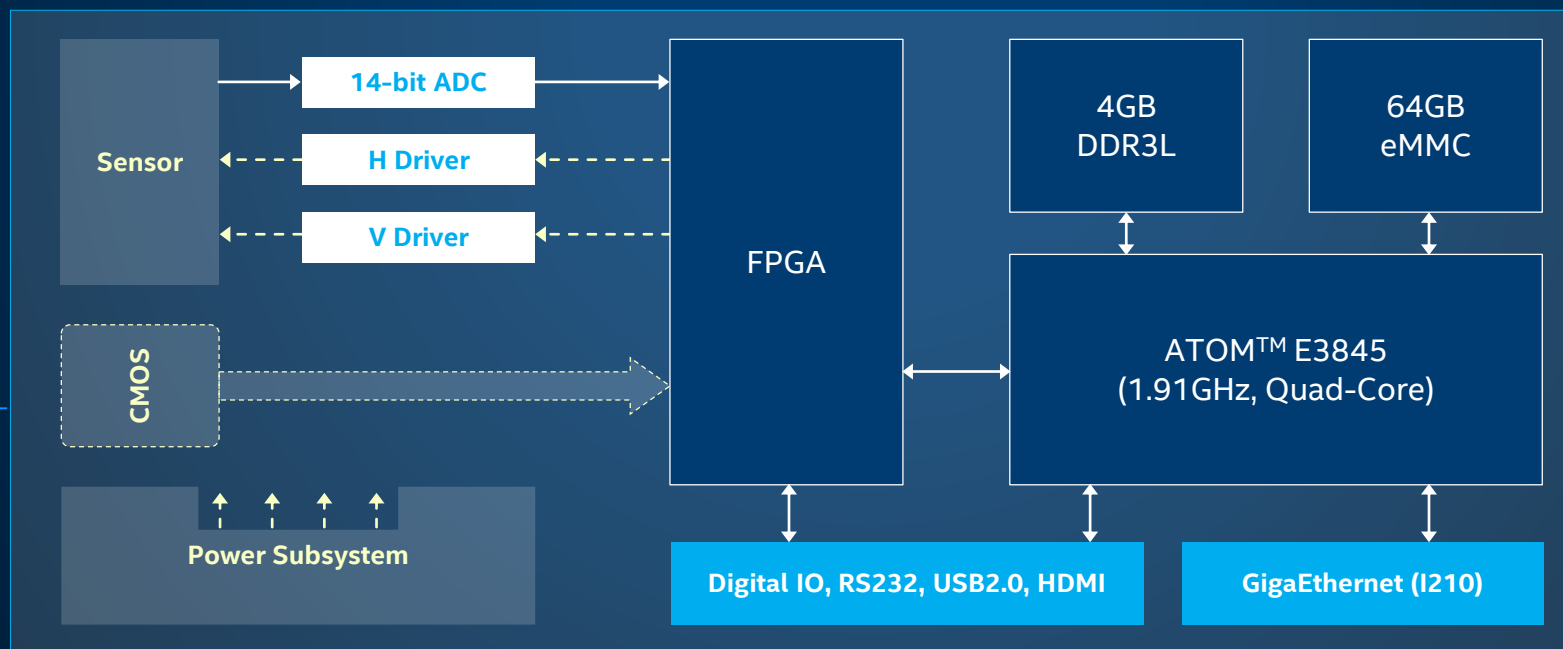
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Solution Diagram



COMPULAB FITLET2 FTMR FOR WIFI RTT INDOOR POSITIONING



Solution Overview

A kit providing accurate WiFi RTT indoor positioning to mobile devices for navigation inside buildings such as offices, tradeshows, 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 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



Support Information

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

To learn about Intel IoT solutions visit:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Additional Links

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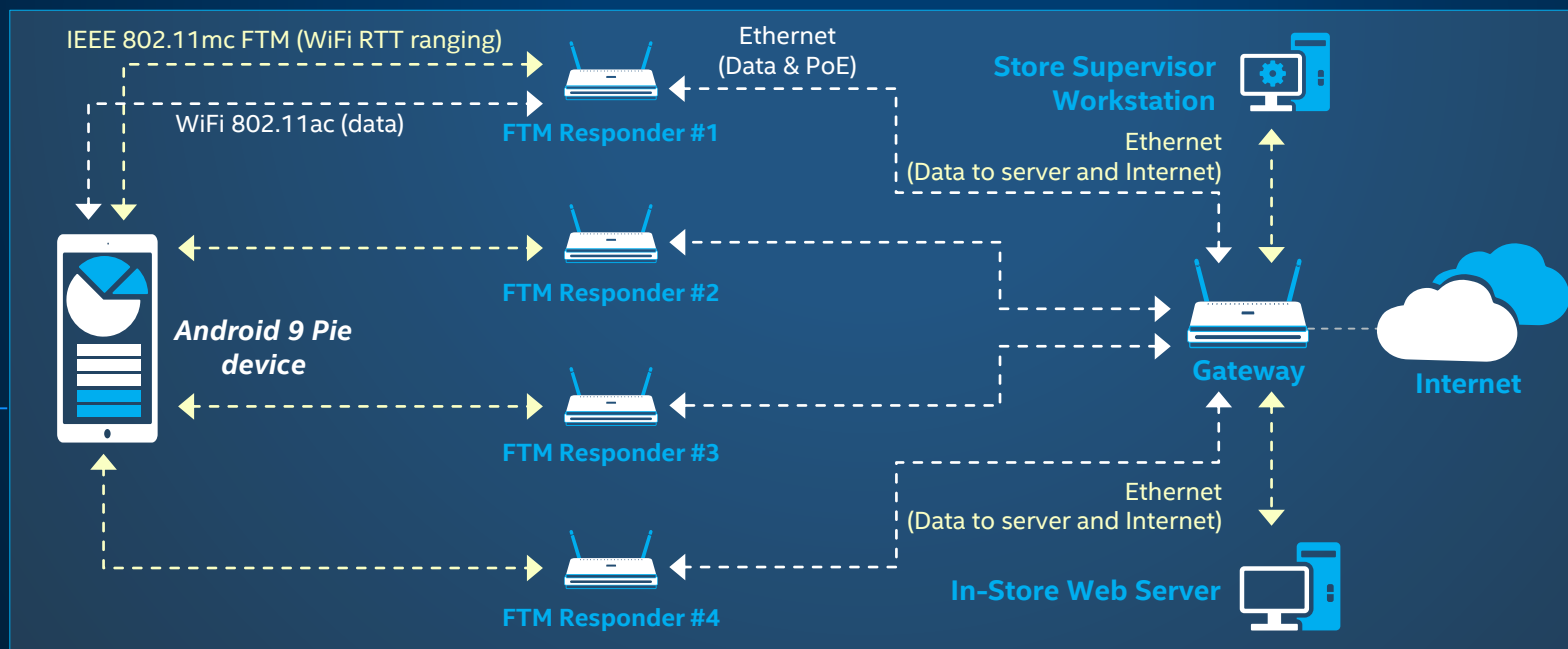
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Solution Diagram



ARBOR RETAIL & GOT SOLUTION



Solution Overview

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



Geos & Purchase Contacts

Availability: Global

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

Partner contact:
andrew.hsiao@arbor.com.tw



Support Information

ARBOR solutions are described at: <https://www.arbor-technology.com/gl/Home>

To learn about Intel IoT solutions visit: <https://www.intel.com/content/www/us/en/internet-of-things/overview.html>



Warehousing



Logistics & Distribution



Retail

Solution Diagram



Gladius G0830



Multi-purpose tablet dock with optional accessories



Gladius G0830 Capabilities



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BOE NEW RETAIL VENDING MACHINE SUITE



Back to Retail Solutions



Solution Overview

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/>

To learn about Intel IoT solutions visit:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

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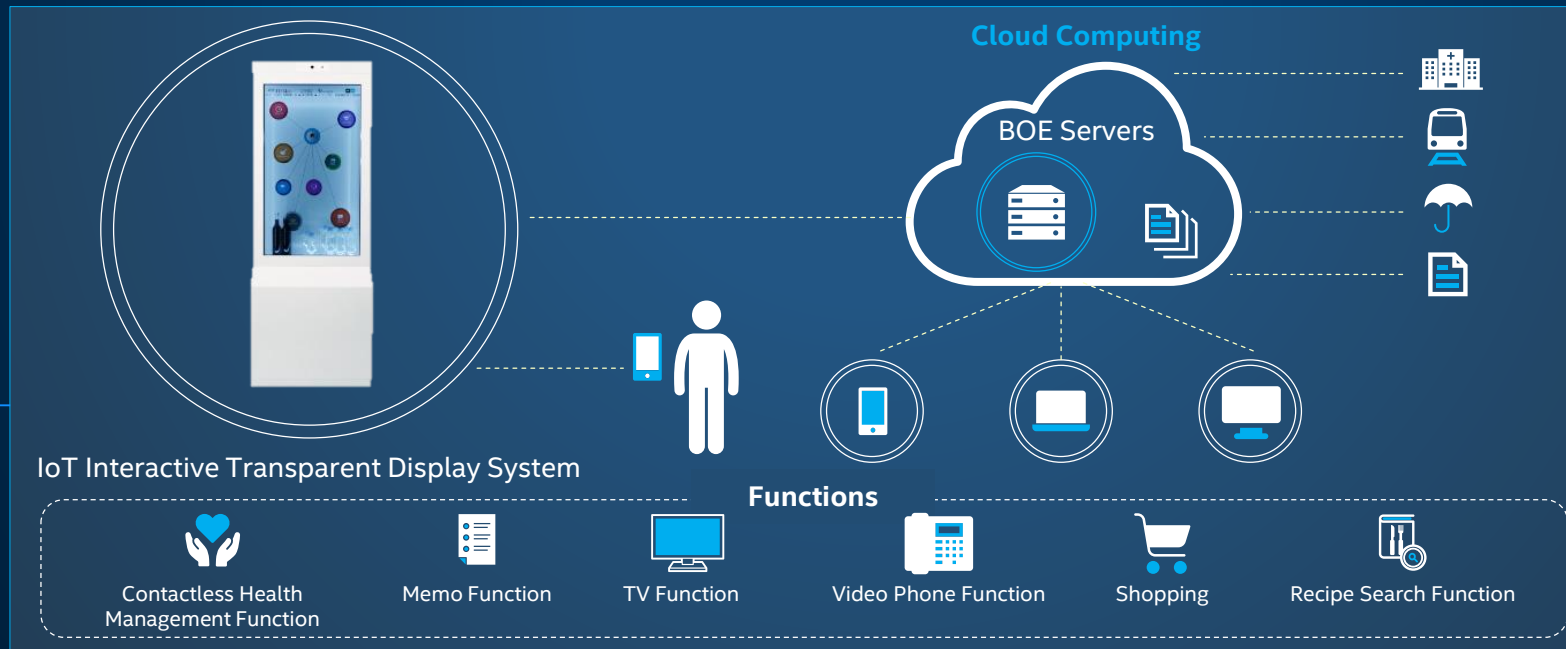
Configuration Guide

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PRC Order Request

Global Order Request

Solution Diagram



SENECA AND NAVORI DIGITAL SIGNAGE BUNDLE



Solution Overview

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

- Multi-OS, 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^N, or Fanless HD^N



Geos & Purchase Contacts

Availability: Global

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

Scott.Falso@Arrow.com

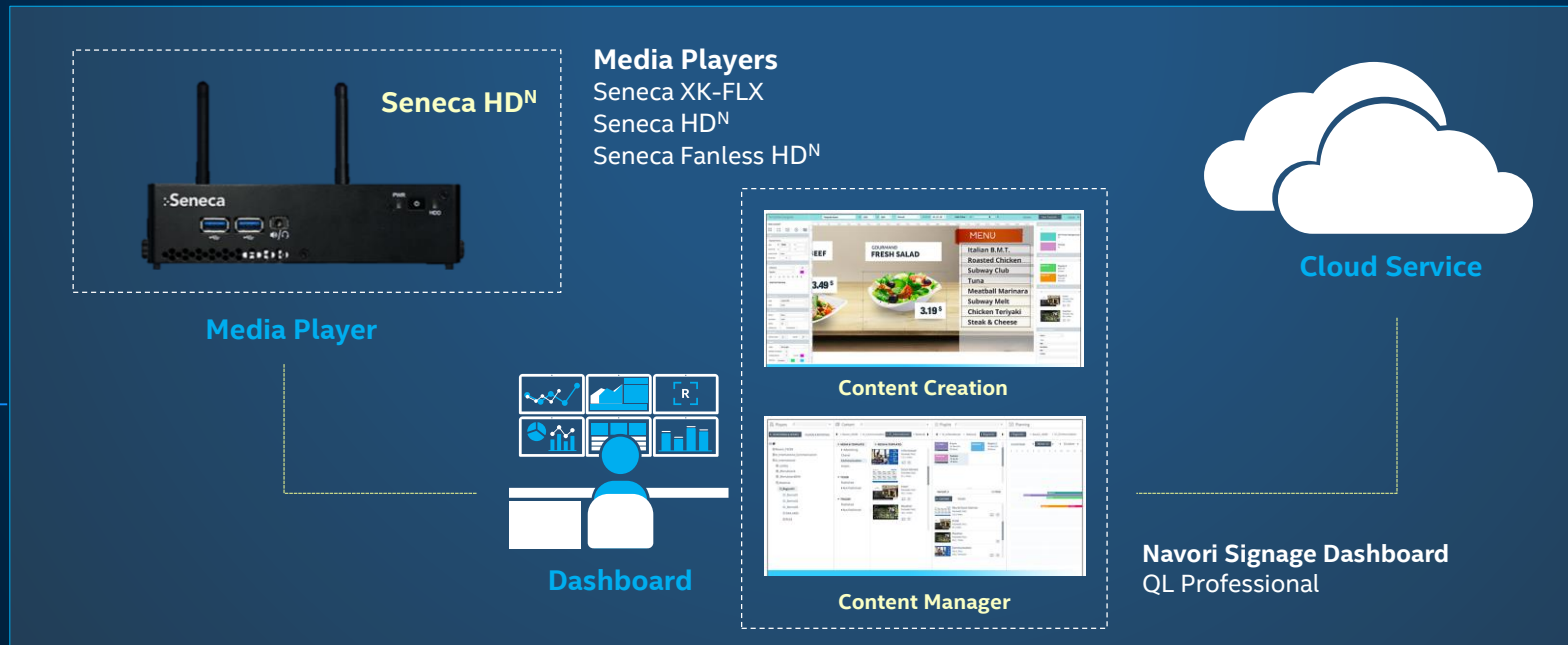


Support Information

Navori solutions are described at: <https://www.navori.com/>

To learn about Intel IoT solutions visit: <https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Solution Diagram



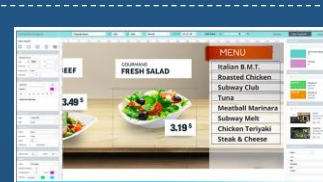
Media Players

Seneca XK-FLX
 Seneca HD^N
 Seneca Fanless HD^N

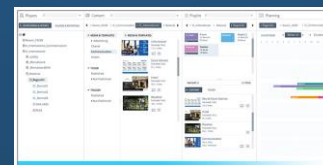
Media Player



Dashboard



Content Creation



Content Manager



Cloud Service

Navori Signage Dashboard
 QL Professional

Additional Links

XK-FLX
 Data Sheet

HD^N
 Data Sheet

Fanless
 HD^N Data Sheet

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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
- Extensibility 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

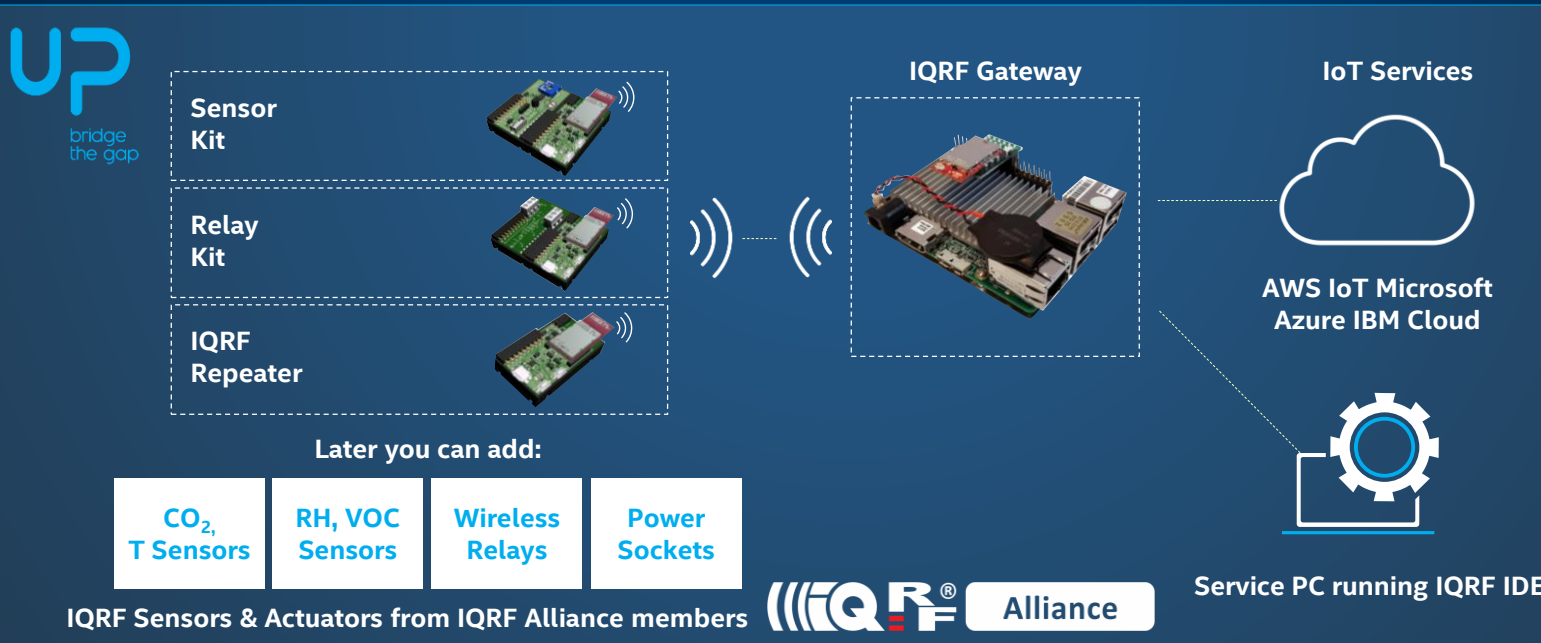


Support Information

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

To learn about Intel IoT solutions visit:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Solution Diagram



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XOGO MINI 4K DIGITAL SIGNAGE



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/>

To learn about Intel IoT solutions visit: <https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

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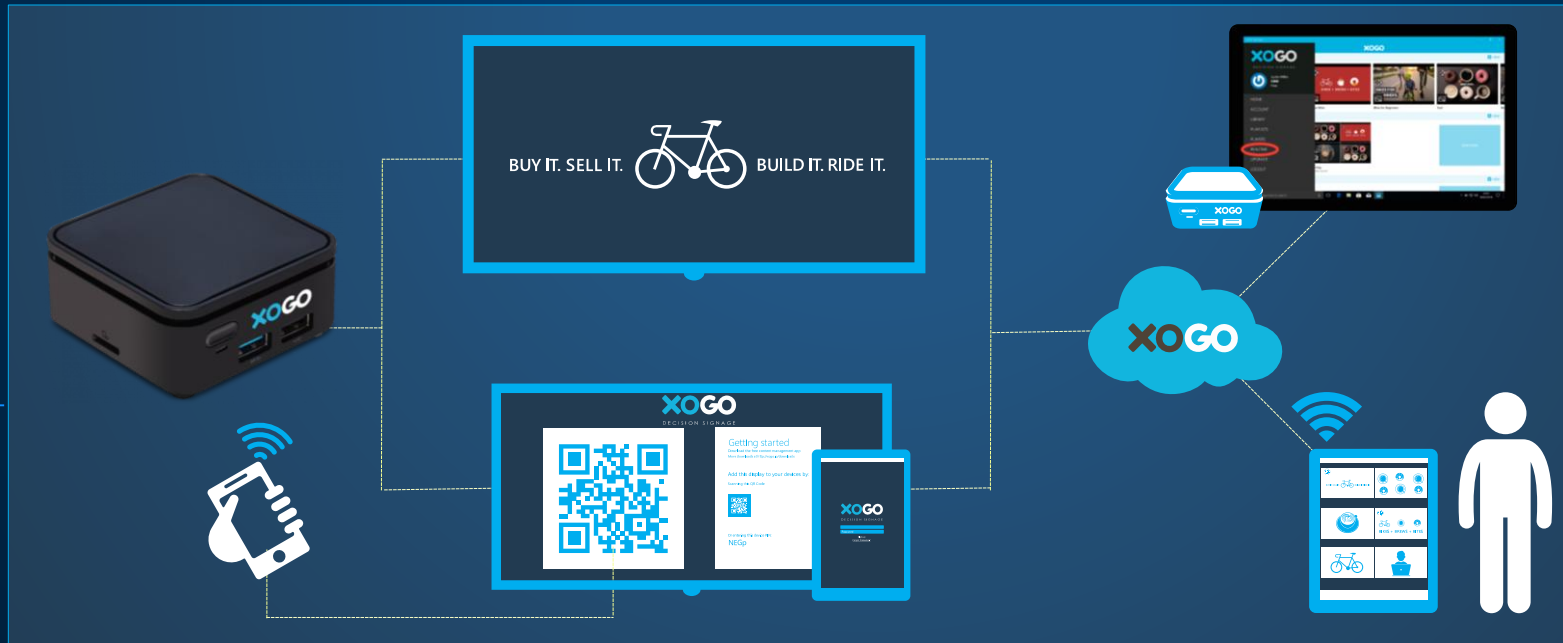
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Solution Diagram



AXIOMTEK SOLAR ENERGY GATEWAY SOLUTION



Solution Overview

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 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

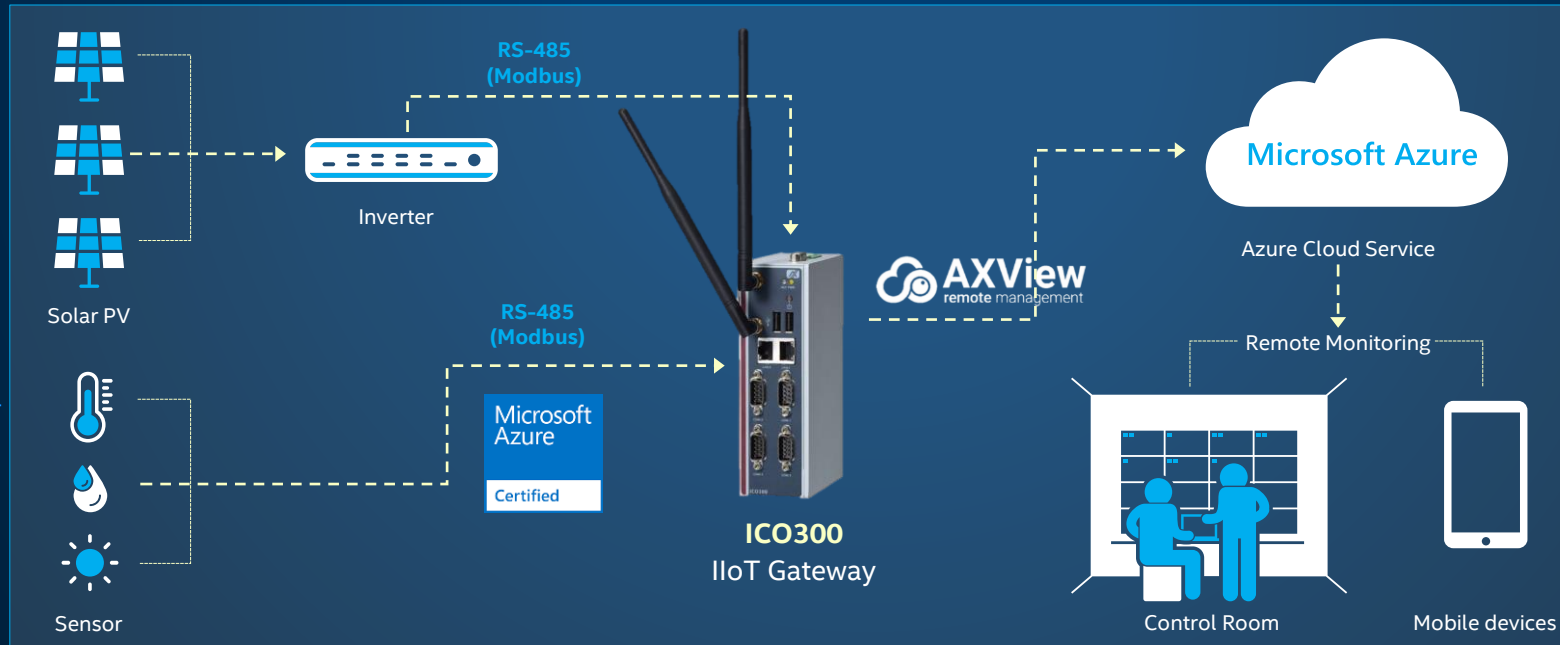


Support Information

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

To learn about Intel IoT solutions visit:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Solution Diagram



Additional Links

AXView
Solar Data
Sheet

ICO300
Data Sheet

User Guide

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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:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Additional Links

MC-1100 Data Sheet

ThingsPro Data Sheet

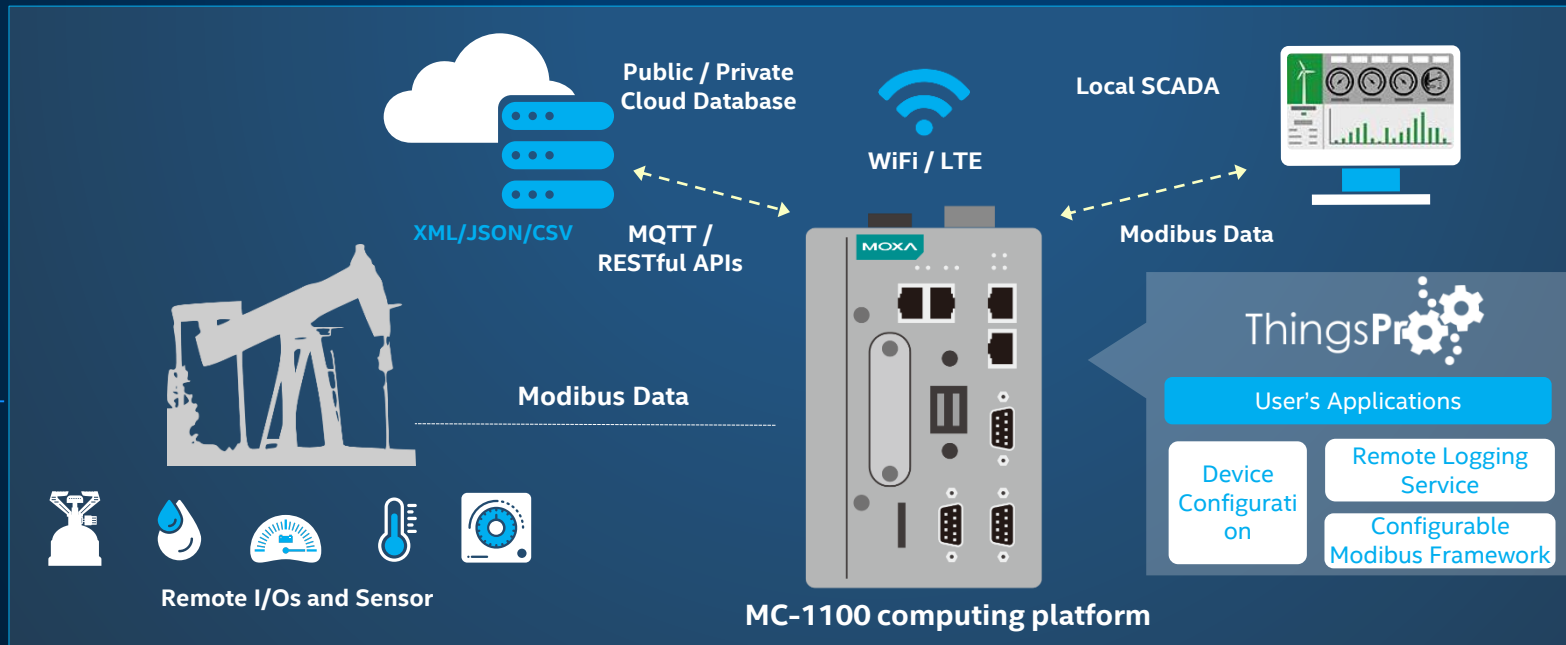
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Solution Diagram



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 a 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@aaeon.eu



Support Information

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

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

Coming Soon!

API/SDK

Order here today!

Solution Diagram



UP HD Camera



UP Squared Board



UP AI Core



Cloud Services



Intel OpenVINO & System Studio

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

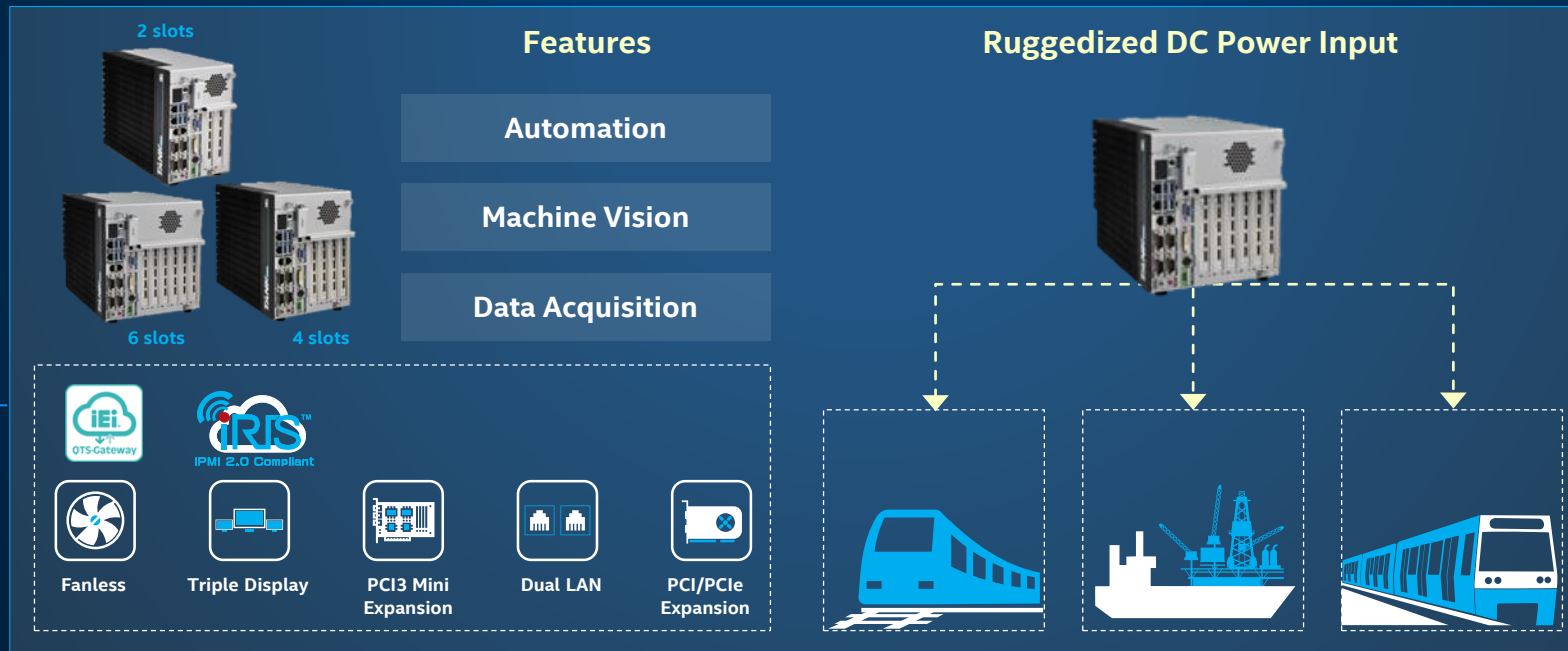


Support Information

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

To learn about Intel IoT solutions visit: <https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Solution Diagram



Additional Links

Data Sheet

User Guide Coming Soon!

Configuration Guide Coming Soon!

API/SDK

Order here today!

INDUSTRIAL IOT STARTER KIT FROM HPE AND SOFTING



Solution Overview

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



Value Prop

- 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



Solution Components

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



Geos & Purchase Contacts

Availability: Globally
Intel contact: rfp.ready.kits@intel.com
HPE Partner contact: galina.todorova-altran@hpe.com
Softing Partner contact: Sebastian.schenk@softing.com



Support Information

HPE and Softing solutions are described at:
<https://www.hpe.com>
<https://company.softing.com>
 To learn about Intel IoT solutions visit:
<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Additional Links

- Gateway Datasheet
- Software Datasheet
- User Guide Coming Soon!
- Configuration Guide
- API/SDK
- Order here today!

Solution Diagram

