

## EPIC iO Smart Communities Solution—Validated for Performance and Ease of Deployment

Intel® Architecture

### With EPIC iO, Dell and Intel streamline AI deployment.

“EPIC iO has collaborated with Intel extensively to ensure our cloud-native DeepInsights AI Platform can be deployed and operated at any Edge, with complete automation, on Intel Core to the latest Xeon class CPUs, instantiated on Cloud, VM or Bare Metal, without refactoring. Our combined ability to scale workloads with optimized core and thread usage provides our customers with performance they would generally assume is only available with discreet GPU.”

— Michael Knight  
CTO  
EPIC iO

#### About EPIC iO

IntelliSite/EPIC iO SCaaS is the most complete end-to-end public safety AI-enabled IoT service that combines elements of the Internet of Things, artificial intelligence, 5G+ wireless connectivity and event monitoring in a predictable cost model as a turnkey solution to make communities safer, smarter, and more connected.

EPIC iO creates powerful, end-to-end intelligent public safety solutions that help make communities safer. Guided by customer priorities, the company focuses on building AI solutions that are ready to deploy, easily scalable, and cost-effective and deliver ongoing value. EPIC iO’s DeepInsights, an AI platform that seamlessly combines video, external feeds, and sensor data to deliver actionable insights, checks all these boxes and more.

#### Optimize for Seamless Delivery

In developing DeepInsights, the basis for its Smart Communities as a Service solution, EPIC iO and Dell collaborated with Intel to conduct a full system validation in **Intel’s AI solution validation lab**. This allowed them to optimize solution performance for the most streamlined customer deployments possible.

Intel’s AI solution validation lab provided an environment where engineering experts from Dell, EPIC iO, and Intel and OpenVINO™ toolkit specialists could work together to fine-tune and validate the entire solution. After systematically testing a variety of scenarios and analyzing the results, Intel engineers recommended the optimal specifications required per stream/camera to be deployed using the Dell EMC PowerEdge R750 with a dual socket Intel® Xeon® Gold 6338N CPU.

#### Deploy with Confidence

The Dell EMC PowerEdge R750 with a dual socket Intel Xeon Gold 6338N CPU, enabled with the OpenVINO toolkit, allows for a seamless delivery of EPIC iO’s Smart Community capabilities. These capabilities include biosecurity, license plate recognition, site security, and smart spaces—in a host of use cases that strengthen public safety. Through their joint efforts, EPIC iO and Dell not only optimized solution performance but effectively minimized the cost, complexity, and risk associated with customer deployments.



## Intel® Distribution of OpenVINO™ Toolkit

Intel® Distribution of OpenVINO™ toolkit is designed to accelerate the development of machine learning solutions. A tool suite for high-performance deep learning, the OpenVINO toolkit is aimed at delivering faster, more accurate results deployed into production across Intel architecture from edge to cloud. The toolkit enables a write-once, deploy-anywhere approach to deep learning deployments on Intel platforms that, coupled with Dell Technologies, provides a powerful combination to optimize performance and simplify deployment.



## Why Validating Matters

By validating the DeepInsights AI platform with Dell in the Intel lab, EPIC iO has positioned its solution for:

 <b>Simplified AI deployment</b> An all-in-one preconfigured solution means no need to purchase and experiment with individual components.	 <b>Cost-effective performance</b> The specified system has been tested and proven to deliver the right level of performance to reach desired deployment goals.	 <b>Accelerated time to value</b> Ready-right-now DeepInsights enables fast, easy AI adoption to begin improving community safety upon implementation.
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Count on a prevalidated solution to streamline deployment and simplify scaling. That’s because optimizing hardware and software configurations in advance reduces risk and complexity, helping to ensure that an AI solution will deliver the right level of performance for the task at hand—from day one.

## The AI Solution Validation Lab at Intel

Intel’s AI solution validation lab is a unique and comprehensive preconfigured, remote testing environment. Through the lab, participants have access to the latest hardware and chipsets, including 3rd Gen Intel® Xeon® Scalable processors. Intel engineers provide technical consultation and recommendations along with ongoing support throughout the validation process. On completion, the participant receives detailed performance reports and recommendations from Intel on the optimized platform that will best meet their customers’ deployment goals for the AI solution.

### Learn More

For details about EPIC iO’s smart public safety solutions, contact your Intel or Dell representative.

[Learn more about Intel® Partner Alliance.](#)

### Intel’s AI Validation Lab with Dell

#### Features:

- Preconfigured remote validation lab
- Configured multi-stream in-process analytics
- Access to the latest Intel® Xeon® platforms, accelerators, and enabling chipsets
- Complete system configuration for optimal recommendations

#### Products:

- Chassis: Dell EMC PowerEdge R750
- CPU: Dual socket Intel® Xeon® Gold 6338N CPU
- Memory: Installed Physical Memory (RAM) 192 GB
- Intel® Distribution of OpenVINO™ toolkit



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