

## ACCELERATE AI AT THE EDGE FOR REAL-TIME DECISION MAKING

AI is erupting at the edge. On factory floors. In stores. On city streets. In urgent care facilities. These edge locations are equipped with billions of IoT sensors that stream terabytes of data, and that information contains valuable insights that can drive decisions in real time. But for that to happen, a scalable, accelerated platform that can deliver automated intelligence to the point of action is needed. NVIDIA is delivering these capabilities—bringing the power of accelerated AI to the edge—with the NVIDIA EGX platform.

NVIDIA EGX is a cloud native, software-defined platform that enables AI production to move beyond the data center and out to the edge. Its low latency, system scalability, and IT simplicity translate directly to the bottom line through operational efficiency and faster time to insights.



### SMARTER RETAIL

NVIDIA's edge solutions bring real-time AI compute to retail stores to create a better and more convenient shopping experience for customers. Associates are automatically alerted when they need to restock shelves, open up new checkout lanes, retrieve shopping carts, and ensure product freshness in meat and produce departments.



### SMARTER CITIES

Cities can improve public services for residents and communities with real-time, data-driven decisions powered by AI applications. AI-driven **intelligent video analytics** (IVA) connected to hundreds of sensors and cameras make it possible to provide better traffic management, guided parking services, and infrastructure monitoring.



### SMARTER MANUFACTURING

The world's most innovative industrial companies are using accelerated AI at the edge to deploy large-scale AI solutions. With the exponentially increasing amounts of sensor and operational data available on factory floors, accelerated AI can deliver real-time insights to improve operational efficiency, create business value, and build smarter, safer working environments.

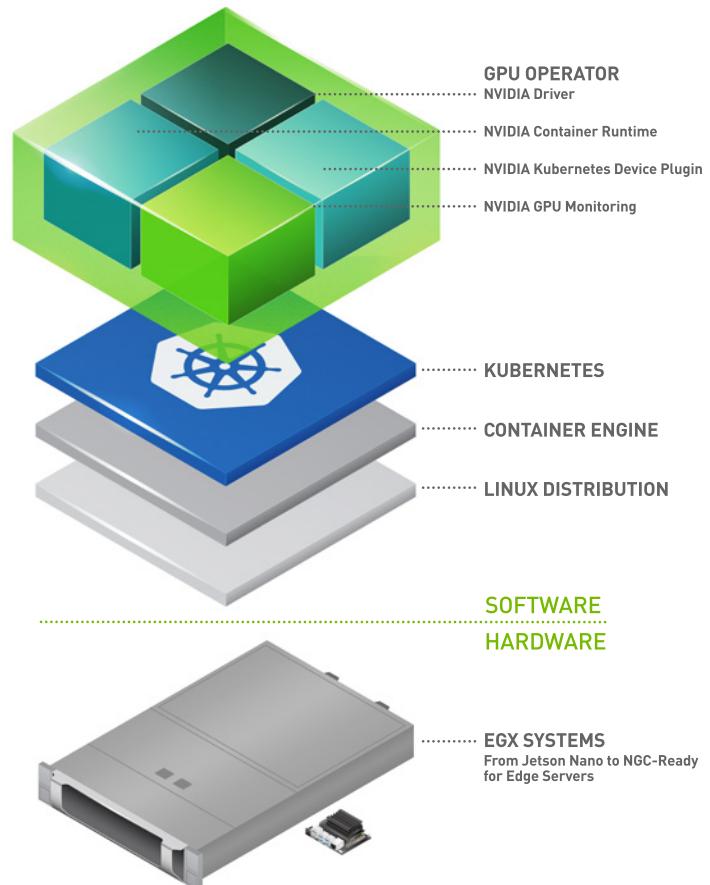
# NVIDIA EGX PLATFORM FOR EDGE COMPUTING

## EGX software stack features:

- > The EGX stack includes a GPU Operator, a cloud native tool that standardizes and automates the deployment of all components needed for provisioning GPU-enabled Kubernetes systems.
- > NVIDIA EGX solves the need to have unique operating system images between GPU and CPU nodes by providing everything needed for installation on top of IT's single gold master image.
- > The EGX stack architecture is supported by leading hybrid-cloud platform providers, ensuring clusters are configured and optimized for GPU workloads.

## Compatible products:

- > Edge AI applications with Helm charts for easy deployment, available on the NGC registry
- > Leading hybrid-cloud platforms
- > The NVIDIA® Jetson™ portfolio
- > NGC-Ready for Edge validated servers, which support NVIDIA T4, NVIDIA V100 and NVIDIA RTX™ GPUs



## Learn More About Accelerating AI at the Edge

Get more information about the NVIDIA EGX platform at [www.nvidia.com/egx](http://www.nvidia.com/egx).