DATA IS DRIVING INTELLIGENCE EVERYWHERE

GENERATING A TRANSFORMATIVE WAVE OF INSIGHTS

In our data-centric world, transactions and interactions are happening everywhere—on our phones, in our cars, in retail stores, and in massive data centers analyzing data transmitted from edge devices. Gaining more business value demands new levels of flexibility, smart algorithms, and new "eyes" capable of mining a deluge of unstructured data ranging from video and images to text and audio.

The pace of change is accelerating across every vertical. Now more than ever, business and industry need actionable, data-driven information—delivered with speed and accuracy.

THE EDGE: A GROWING AREA OF UNTAPPED OPPORTUNITY

5X

33 ZB to 175 ZB
More than 5x growth in world data is expected by 2025.[1]

50%

90 ZB at the edge
An estimated 50+ percent of this data will be generated at the edge.[1]

150B

150B edge devices
Real-time data processing is projected to grow 10x.[1]

FOUR MAJOR FORCES ARE BEHIND THE SHIFT TO THE EDGE

LATENCY
Edge computing can help eliminate costly lags in communication by using a distributed network to ensure there is no disconnect in near-real-time information processing.

BANDWIDTH
Edge computing works by bringing bandwidth-intensive content closer to the end user, helping overcome bandwidth constraints and reduce the high cost of transferring data to the cloud.

SECURITY
By keeping data closer and avoiding transfers to the cloud and back, edge computing helps reduce security and compliance risks.

CONNECTIVITY
Moving tasks to the edge improves reliability by resolving the low or intermittent connectivity challenges that can come with operating in remote or compromised locations.

CUTTING-EDGE INDUSTRY TRANSFORMATION

Built with Intel. These edge computing innovators are moving their industries forward.

CYBERLINK
Cyberlink's FaceMe for Smart Retail is a facial detection and recognition SDK used for IP cameras, webcams, and other vision-based edge devices. Optimized with Intel® Distribution for OpenVINO™ toolkit, the app delivers real-time, in-store analytics to help determine customer behavior at every touchpoint for increased shopper loyalty and operational efficiencies.
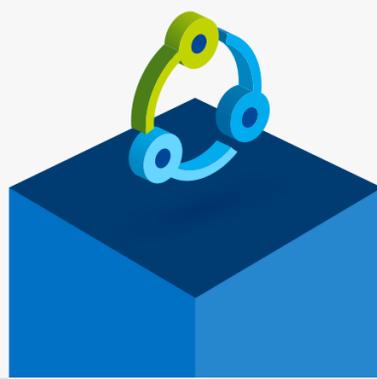
HITACHI
Hitachi Healthcare AI-based diagnostic and medical imaging equipment, supported by smart devices, cameras, network video recorders, and sensors, accelerated prototyping and testing using Intel® DevCloud for the Edge to help clinicians and organizations extract the most value from data in a timely manner.

GORILLA TECHNOLOGY
Gorilla Technology's IVAR solution, incorporating Intel® Distribution of OpenVINO™ toolkit, is used in smart city systems to identify and recognize offenders on watchlists, monitor footfall traffic, analyze unusual behavior, detect intrusions, and monitor abandoned luggage.

EXPERTISE MEETS ECOSYSTEM FOR AI AT THE EDGE

Hardware + Software + Ecosystem = Intelligence Everywhere

1. Global network of developers, technology providers, and enterprise customers
2. Groundbreaking intelligent edge technology
3. Market-ready, proven solutions
4. Optimized Intel® portfolio for a wide range of existing and emerging edge workloads

UNLOCK THE POTENTIAL OF EDGE COMPUTING

Intel and our partners create market-ready solutions that are built for the edge and designed to solve real-world business challenges. In fact, Intel now offers the broadest computing portfolio available for AI, media, and the network.

The end-to-end portfolio includes:

DEVELOPER TOOLS AND CLOUD INTEGRATION

intel market ready ✔

intel select solution

intel IoT Solutions Alliance

EDGE PLATFORMS:
HARDWARE AND SOFTWARE SOLUTIONS

OpenVINO
OpenNESS

ECOSYSTEM SCALE

INTEL® AI IN PRODUCTION
Gain valuable access to a wide variety of resources for edge AI solutions, including experienced AI partners, software toolkits, and more, plus matchmaking and scaling opportunities that help drive adoption of AI solutions in the enterprise.

Get started at **intel.com/ai-in-production**.

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