

Powering the future  
of employee  
experience with AI



## Introduction

AI PC represents a cutting-edge innovation in computing, offering users a versatile platform to explore the realms of AI. With its robust architecture, AI-powered endpoints are equipped with high-performance CPUs, integrated graphics processing units and specialized neural processing units, which collaborate seamlessly to expedite AI tasks and ensure efficient processing of complex AI workloads.

AI-powered endpoints offer a distinct advantage by enabling on-premises AI experimentation and deployment, enhancing data privacy and security and fostering creativity and innovation without reliance on cloud-based solutions.

## HCLTech's strategic partnership with Intel

HCLTech's partnership with Intel paves the way for unlimited AI use cases with a comprehensive suite of software tools and frameworks. These resources facilitate the development and deployment of AI solutions across diverse domains, from computer vision to natural language processing and speech recognition.

HCLTech's AI PC solution marketplace represents a transformative approach to integrating AI solutions into the business endpoints landscape. This centralized platform empowers businesses to leverage AI technologies effectively, driving innovation across various industries. By

collaborating with Intel and ecosystem partners, HCLTech ensures the development of cutting-edge AI solutions tailored to specific industry needs.

The marketplace offers flexible integration options and customizable AI solutions to enhance operational efficiency and decision-making processes. It targets sectors including healthcare, finance and manufacturing, promoting widespread AI adoption and driving growth.

Through strategic partnerships, the AI PC Solution Marketplace aims to expand AI's footprint, enhance End-user engagement, fostering productivity, collaboration and innovation within modern workspaces.



# The need for an AI PC



**Professional AI development:** Utilized by data scientists, AI engineers and researchers for developing and training complex AI models.



**Enterprise AI solutions:** Tailored AI-driven solutions for customer service automation, predictive analytics and personalized marketing.



**Edge computing:** Real-time processing and inference of AI models for autonomous vehicles, industrial IoT and healthcare devices.



**Educational institutions:** Teaching students about AI, machine learning and data science with hands-on experience.



**Creative applications:** Leveraging AI for generating artwork, composing music or editing multimedia content.



**Healthcare and biomedical research:** Supporting medical data analysis, disease diagnosis and personalized treatment plans.



**Financial analysis and trading:** Analyzing market trends, predicting stock prices and optimizing investment strategies.

## Today's limitations of AI enthusiasts, AI developers and data scientists

AI developers face limitations that highlight the importance of AI-powered endpoints for AI development, training and deployment. AI endpoints empower developers by providing accessible computational resources, ensuring data privacy and security, minimizing latency and bandwidth constraints, offering cost-effective solutions, enabling customization and control, ensuring regulatory compliance and supporting offline capabilities.

## Benefits of AI endpoints



Provides accessible computational power for training and experimentation.



Enables local processing and analysis for data privacy and security.



Minimizes inference latency and improves responsiveness.



Offers cost-effective alternatives to cloud-based services.



Allows greater flexibility and control over development environments.



Maintains compliance with regulatory standards.



Supports offline model deployment and inference.

## Why Intel® Core™ Ultra processors?

Intel® Core™ Ultra processors offer the right balance of power and performance for AI tasks, with CPUs handling general-purpose computation, GPUs providing parallel processing power and NPUs accelerating neural network computations. These processors are ideal for lightweight, single-inference, low-latency AI tasks, large-scale AI computations and mobile, IoT and edge computing applications.

### Features of Intel® Core™ Ultra processors



Fast response for lightweight AI tasks.



Parallel processing power with thousands of cores.



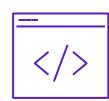
General-purpose computing for deep learning models and complex simulations.



Large memory bandwidth for processing large datasets.



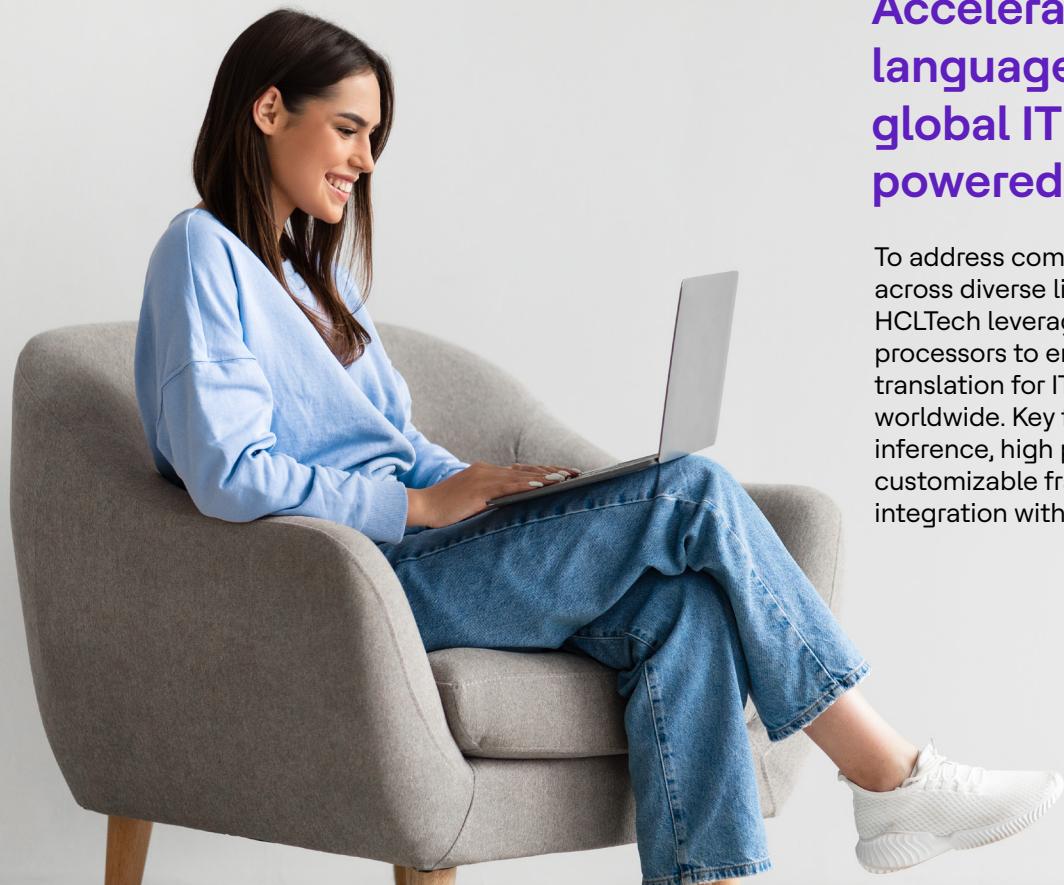
Optimized for AI workloads with specialized architecture.



Low power consumption for mobile and edge applications.

## Enhancing remote work security with HCLTech's Onlooker Detection solution powered by Intel AI PC

As remote and hybrid work models become prevalent, ensuring the security and privacy of sensitive business data is crucial. HCLTech introduces the Onlooker Detection solution, leveraging Intel AI PC to detect and prevent unauthorized access to sensitive information during remote or hybrid work scenarios. Key features include real-time on-screen alerts, automatic privacy screen activation, and local processing for enhanced security.



## Accelerating real-time language translation for global IT support teams powered by Intel AI PC

To address communication challenges across diverse linguistic backgrounds, HCLTech leverages Intel® Core™ Ultra processors to enable real-time language translation for IT support teams worldwide. Key features include on-device inference, high performance, customizable framework and seamless integration with existing IT systems.

## Driving Innovation in Endpoint Analytics and DEX

HCLTech integrates with Workplace/Endpoint Analytics to empower agents and IT teams with advanced capabilities to enhance troubleshooting, automate support processes and drive superior end-user experiences. Key features include NLP for gathering insights, real-time device-based troubleshooting and hyper-automated proactive support.

## Transforming customer experience powered by Intel AI PC for sentiment analysis solutions

Through its partnership with Intel, HCLTech drives innovation in sentiment analysis solutions, enabling businesses to unlock actionable insights from customer interactions. Key features include real-time sentiment analysis, auto chat and call routing, AI-powered insights, seamless integration and scalability.



## Advancing accessibility and well-being with AI powered by Intel AI PCs

HCLTech leverages Intel AI PCs to enhance accessibility and promote employee well-being. Solutions include AI-driven sign language recognition, real-time captioning for virtual conferences, two-way communication systems, optimized endpoint performance and scalable and customizable frameworks.

For more information, visit our page

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Progress™

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