

Integrated AI-Powered Digital Classrooms with Edge Intelligence

Roombr Digital Classroom

Roombr is an integrated AI-powered digital classroom solution that combines intelligent hardware with advanced software to transform teaching and learning. Powered by Intel® Core™ Ultra processors, Roombr delivers secure, low-latency, and high-performance AI experiences on-device, without relying solely on the cloud. The platform enables seamless online and offline classes, session recording, and AI-powered chapterization into microlearning content that can be published to students. It also generates assessments for each lesson to track student performance.

Additional capabilities include AI-assisted lesson planning, classroom interaction, attendance tracking, student mentoring, personalized learning, and institutional analytics through a unified platform. By processing AI workloads at the edge, Roombr offers enhanced privacy, rapid responses, and uninterrupted learning experiences for K-12, higher education, and corporate training.



Key Intel-Enabled Features



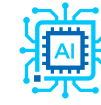
AI Content Analysis



Low Latency AI



Data Privacy



Optimized AI

- [Intel® Core™ Ultra Processors \(Series 2\)](#) accelerate AI workloads using integrated AI engines.
- The [Education AI Suite](#) provides optimized audio, video, and text AI pipelines for classrooms.
- [OpenVINO™ toolkit](#) optimizes LLM and vision model inference for responsive edge AI performance.
- Edge processing enhances privacy by keeping classroom data local, while Intel® architecture offers scalable, energy-efficient AI performance.

By leveraging Intel® technologies, Roombr transforms fragmented classroom environments with secure, low-latency AI that enables personalized learning and intelligent instruction.

Notices & Disclaimers:

Intel technologies may require enabled hardware, software or service activation. // No product or component can be absolutely secure. // Your costs and results may vary. // Intel Statement on Product Usage: Intel is committed to respecting human rights and avoiding causing or contributing to adverse impacts on human rights. See Intel's [Global Human Rights Principles](#). Intel's products and software are intended only to be used in applications that do not cause or contribute to adverse impacts on human rights. © Intel Corporation, Intel, the Intel logo, Intel Core, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as property of others.

*Roombr combines smart hardware, intelligent software, and Edge AI to deliver **secure, personalized, and engaging learning experiences.***

Ordering Guidance:

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Country/Geo: India

Edge Verticals: Education

Edge Use Cases: Digital Campus; Intelligent Learning; Immersive Learning

Learn more:

- [Roombr Technologies Website](#)