

Real-Time Classroom Insights with Secure Edge AI Tech

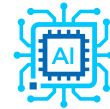
Smart AI Classroom Solution (AI Edge Box AG1000)

Centerm Smart AI Classroom Solution transforms existing classroom cameras and digital learning infrastructure into a real-time education analytics platform. Powered by the Centerm AI Edge Box AG1000, it uses computer vision AI to track attendance, engagement, participation, classroom behavior, and teacher-student interactions, helping educators improve learning outcomes through data-driven decisions. By processing video locally at the edge, schools gain faster insights, lower latency, stronger privacy, and reduced cloud dependence.

The platform also provides teaching-quality evaluations, early-warning alerts, and actionable reports that support continuous improvement. Built on Intel® Core™ Ultra Processors (Series 1) with Intel® Arc™ graphics and optimized with OpenVINO™ Toolkit, it accelerates edge AI inference for scalable, responsive, and secure deployments.



Key Intel-Enabled Features



Real-Time AI Insights



Privacy-First Analytics



Faster Vision AI Performance



Scalable Classroom Deployment

- Delivers low-latency classroom analytics using [Intel® Core™ Ultra Processors \(Series 1\)](#) and [Intel® Arc™ graphics](#).
- Processes video locally on AG1000, reducing cloud reliance with secure edge AI.
- Uses [OpenVINO™ Toolkit](#) optimizations to accelerate computer vision models for attendance, engagement, and behavior analysis.
- Intel® Core™ Ultra architecture enables efficient scaling from single classrooms to district-wide education environments.

By leveraging Intel® Core™ Ultra processors, Intel® Arc™ graphics, and OpenVINO™ Toolkit, Centerm Smart AI Classroom Solution delivers secure, real-time insights that enhance engagement, teaching effectiveness, and decision-making.

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Centerm Smart AI Classroom turns classroom data into actionable insights that **help improve engagement and teaching quality.**

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Country/Geo: Asia Pacific, Japan, Australia & New Zealand

Edge Verticals: Education

Edge Use Cases: Digital Campus; Intelligent Learning

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