

Offline, Agentic, Curriculum-Aligned, Voice-Enabled AI Platform for Classrooms

EdgeExl



EdgeExl is a school curriculum-aligned AI Teacher that interacts with students in real time using state-of-the-art small language models running locally on the Panache PDLMT-265-AI, an AI-ready mini tower powered by the Intel® Core™ Ultra 7 processor 265 with Intel® AI Boost NPU. Using hardware virtualization (SR-IOV), a single system supports up to four users, enabling cost-effective deployment in schools.

The platform leverages the Sumeru model family, a collection of six purpose-built small language models - each tuned for a specific task and none larger than 2 billion parameters - that operate together on one workstation to deliver chat, assessment, voice, and video capabilities. EdgeExl helps students learn concepts, prepare for exams, and clear doubts through natural two-way voice conversations with a subject-expert avatar.

The system does more than teach. It generates concise notes, memory maps, and key reading points to reinforce understanding and revision, all while running securely on the Panache PDLMT-265-AI's AI-ready architecture. By combining local AI inferencing with scalable edge performance, the platform makes AI-powered education secure, accessible, and cost-effective for schools.

***Supercharge
your
Classrooms
with Offline
Agentic AI
Teachers
that is 100%
Curriculum-
Aligned***

Intel Products & Technologies

Accelerating AI and analytics at the edge



[Intel® Core™ Ultra
Processors](#)



[oneAPI](#)



[Intel® Graphics](#)



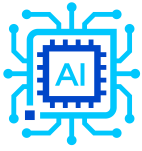
[OpenVINO™
Toolkit](#)



[Intel® AI Boost](#)

Key Intel-Enabled Features

Real-Time AI and analytics make it easy



Fast Edge Inference



Low-Latency Offline
Edge AI



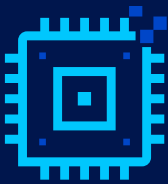
Scalable Cost-Effective
Architecture



Best TCO &
Performance per \$

Powered by Intel® processors and optimized with the OpenVINO™ toolkit, Sumeru and Panache deliver:

01



Intel® Core™ CPUs
enable SR-IOV for
efficient VM sharing

02



Low-latency offline
AI enabled by local
compute

03



Scalable, cost-efficient
design with Intel®
Virtualization Technology

04



Intel® platforms deliver
high performance at
lower cost

That's the power of Intel Inside®.

Country/Geo:

Worldwide

Verticals:

Education

Use Cases:

Digital Campus
Intelligent Learning
Immersive Learning

About Sumeru

Sumeru is a global technology firm focused on AI-driven digital transformation and enterprise solutions. EdgeExl is a subscription-free, offline AI platform that turns one Intel-powered workstation into a shared, private intelligence layer for up to four users at once, enabling secure, scalable innovation and improved operational efficiency.

www.sumeru.us

[EdgeExl - Edge AI Partner
Spotlight](#)

intel ai

Intel® AI Edge Applications

About Panache

Panache Digilife Limited develops AI-ready computing platforms for edge and enterprise deployments. Its portfolio includes high-performance desktops, mini PCs, and embedded systems powered by Intel technologies, helping organizations deploy intelligent applications and generate real-time insights across diverse AI use cases.

www.panachedigilife.com

[Panache PDLMT-265-AI -
Edge AI Partner Spotlight](#)

intel ai

Intel® AI Edge Systems

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. // AI features may require software purchase, subscription or enablement by a software or platform provider, or may have specific configuration or compatibility requirements. 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.