



**Digital Education
e-Board Solution
OPS883**

Brief

Education has truly evolved over the years and it's changed the way classrooms operate. Long gone are the days of silent memorization since schools are relying on computers as a means of increasing interaction with their students to bolster learning. Many school districts are now looking for innovative ways to improve outdated aspects of the classroom and bring education into the 21st century.

For hundreds of years, schools utilized the blackboard, which was made of heavy black slate stone and required chalk for writing, during lectures for large classrooms. The blackboard was cost effective and is still in use around the world as a simple means of writing instructions for classrooms. However, the use of chalk became a large concern for U.S educational institutions, after they recognized that the dust could exacerbate allergies and asthma. In the 1990s, dry erase whiteboards started gaining popularity since they were easy to clean, easy to write on and produced no chalk dust.



Digital Education e-Board Solution

Now, with the onset of newer computer technology, both regular whiteboards and blackboards are falling into disuse as more schools choose to utilize interactive whiteboards for better interaction between teachers and students. Leading learning institutions have used OPS players, with key features like **superb graphical performance, impressive HD content** and **easy setup**, with interactive whiteboard products.

Axiomtek Open Pluggable Specification (OPS) digital signage players or Intelligent Pluggable Specification (IPSS) can act as a computer to connect with interactive whiteboards, which are large style screens or monitors, to display information for classrooms. Axiomtek's OPS product line can transmit images, sound and video signals onto an interactive whiteboard and can also run educational software for audience members-giving classrooms a high tech approach to the old concept of blackboards and whiteboards. Interactions with the whiteboard can be accomplished by simply touching the display with either a stylus or finger.

By using OPS products to control the presentation, the lessons can be displayed digitally, videos can be played instantaneously and interactive learning can be done seamlessly onto the interactive whiteboards. The flexibility and the endless capabilities of the content can help better the student's learning and comprehension.

e-Board Application - OPS883



The OPS883 series, Axiomtek's newest OPS digital signage player is Intel® Open Pluggable Specification compliant. It comes with a variety of useful features and capabilities including choices of the powerful 4th Generation Intel® Core™ i7/i5/i3 processors, highest quality resolution for visuals with 4K resolution Ultra High Definition and rich I/O.

With all of these features, Axiomtek's OPS digital signage players are made to serve multi-display applications and not just for educational institutions' related-applications but also airport information, shopping mall directories, corporate communications, retail store informational displays, and more.

Haswell Refresh OPS883

The OPS883 is an OPS digital signage player based on the high-performance 22 nm 4th Generation Intel® Core™ i7/i5/i3 and Celeron™ processor (codename: Haswell Refresh) with the Intel® Q87 Express chipset. The Intel® OPS architecture signage player enables digital signage manufacturers to simplify installation, maintenance and deployment at extremely low cost. With features of 4K High Definition content, dual display, real in time audio and video, the high efficient OPS883 is excellent for abundant multimedia applications in shopping mall, corporate, education, bank, transportation, retail store, restaurant, and performing art center, and also ideal for e-board application.

By its interchangeable design, users can upgrade their infrastructure faster and easier. Answer to customer demands and enhance user experience, the versatile OPS player is equipped with one 2.5" HDD tray and one optional mSATA interface for storage, one PCI Express Mini Card slot for graphics-enhanced video card, wireless LAN card and 3G/LTE modules. One SO-DIMM DDR3 socket supports system memory up to 8 GB. Axiomtek's high performance OPS883 also comes with Intel® Active Management Technology 9.0 (AMT 9.0), which simplifies the integration process while offering convenient remote diagnosis and reducing maintenance cost.



This smart open pluggable module is connected to OPS-compliant display via a standardized JAE TX-25 plug connector that supports HDMI, DisplayPort, UART, audio, USB 3.0 and USB 2.0 signals. The Axiomtek OPS883

comes with one gigabit LAN port, one RS-232 port, one HDMI interface, one USB 3.0 port, and two USB 2.0 ports on front panel. The front panel HDMI allows 4 K resolutions to meet high-definition display content.

About us

[Axiomtek](#) Co. Ltd. is one of the world's leading designers/manufacturers of PC-based industrial computer products. From our roots as a turnkey systems integrator specializing in data acquisition and control systems, Axiomtek has mirrored the PC evolution in various industries by shifting our focus toward the design and manufacture of PC-based industrial automation solutions.

Axiomtek Co., Ltd. established in 1990, has more than 60 distributor partners globally. Axiomtek offers Industrial PCs (IPC), Single Board Computers and System on Modules (slot CPU card, small form factor embedded boards & SoM), Fanless & Rugged Embedded System (eBOX, tBOX and rBOX), Industrial Firewall Platform, Industrial Gateway Solution, Touch Panel Computers (TPC), Medical PCs (MPC), Human Machine Interface (HMI), Digital Signage and Players (DS), Industrial Network and Network Appliances (NA).

As an associate member of the Intel® Internet of Things Solutions Alliance, [Axiomtek](#) continuously develops and delivers cutting edge solutions based on the latest Intel® platforms.