Smart Whiteboards: The Perfect Tool for Turbulent Times

Global events have changed the way we approach both work and school.
Smart whiteboards are helping adapt to those changes.

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SMART WHITEBOARDS: THE PERFECT TOOL FOR TURBULENT TIMES

There's no doubt that how we attend school or go to work has changed dramatically. Both remote work and distance education have been growing in popularity in recent years, and the 2020 COVID-19 pandemic accelerated that growth.

In the United States, for example, half (49%) of all districts around the country opened with remote learning in the fall of 2020, according to research conducted by the trade journal Education Week, with another 27% offering a combination of remote and face-to-face classes. For many, those instructional delivery methods will remain in place through Spring 2020 and quite possibly beyond.

The numbers are similar when it comes to the workplace. An October 2020 Gallup poll indicated that 58% of workers were doing their jobs remotely, at least part of the time. Statistics compiled by the trade group Society for Human Resource Management indicate that 82% of company leaders around the world say they'll permit remote work for their employees at least part of the time.

Despite the changes occurring in school and at the workplace, though, teachers still need to convey information to their students and workers still need to be able to collaborate. One tool helping enable that collaboration is the smart whiteboard.

Fostering communication

Distance learning and remote work is a key reason why smart whiteboards have become an important part of both the educational environment and the workplace. Smart whiteboards allow educators to easily integrate a variety of engaging content into their lessons for students learning from home and help workplace teams exchange ideas no matter where their members may be located.

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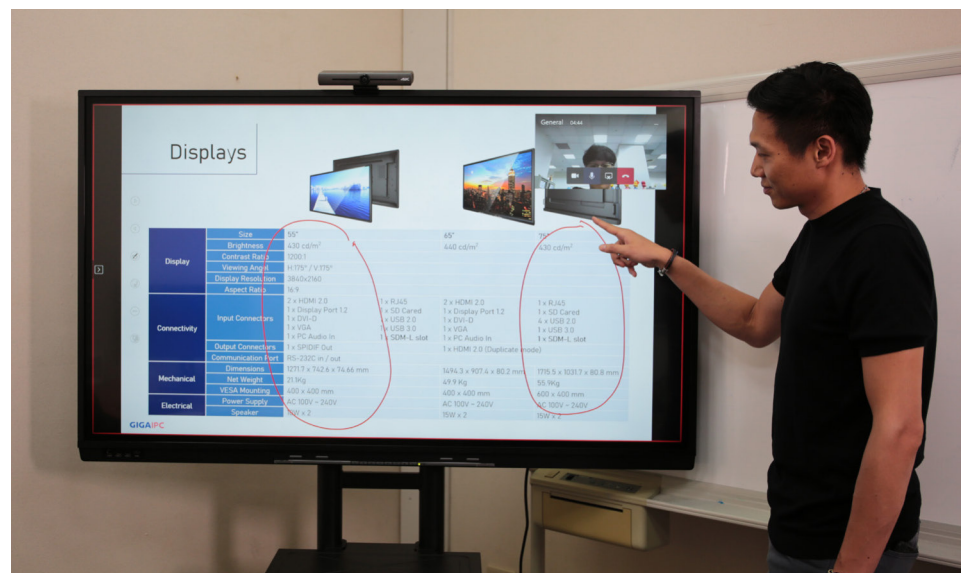
In schools, for example, a smart whiteboard helps students learn in the way that best suits them. They can modify materials to meet their own needs and learning styles, changing colors or increasing text size as they desire. If there's something a student needs to review, lessons can be repeated at their convenience. And with one recent study demonstrating the benefits of interactivity in the classroom, those capabilities are likely to enhance learning.

In the workplace, smart whiteboards can be used to enhance training programs or facilitate group projects, enabling trainers or meeting participants to incorporate a variety of media, update it on the fly and save it for later reference.

The line of smart whiteboards offered by GIGAIPC, for example, allows students, teachers and workplace colleagues to simultaneously access files, edit content, annotate, save and share documents from anywhere. Educators, students or coworkers can collaborate and interact with multimedia from GIGAIPC's smart whiteboards via their own devices to facilitate learning and improve communication.

GIGAIPC, established in 2018 as an embedded solution-focused subsidiary from GIGABYTE, incorporates sophisticated R&D capability and decades of experience in the computing market in its products.
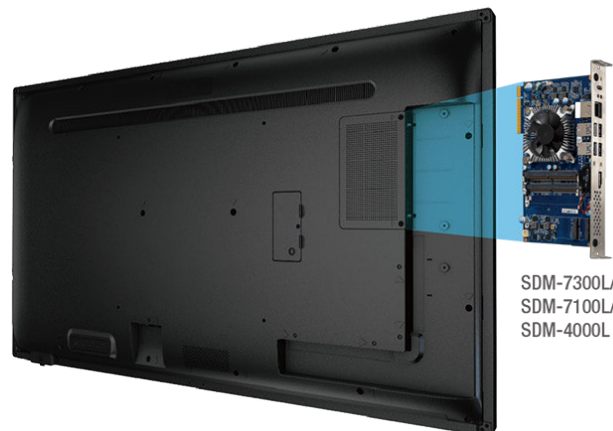
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The company offers smart whiteboards in 55", 65" and 75" varieties, all incorporating high-quality 4K touch displays and either 8GB DDR4 SO-DIMM or 16GB DDR4 SO-DIMM memory. SDM I/O features include a display port, one RJ45 LAN port and four USB 3.0 ports. Display I/O features include two HDMI 2.0 ports, one DisplayPort 1.2 port, one DVI-D port and one VGA port.

The whiteboards are available with either an Intel® Core™ i5-7300U processor, an Intel® Core™ i3-7100U processor or an Intel® Celeron® processor N4000.
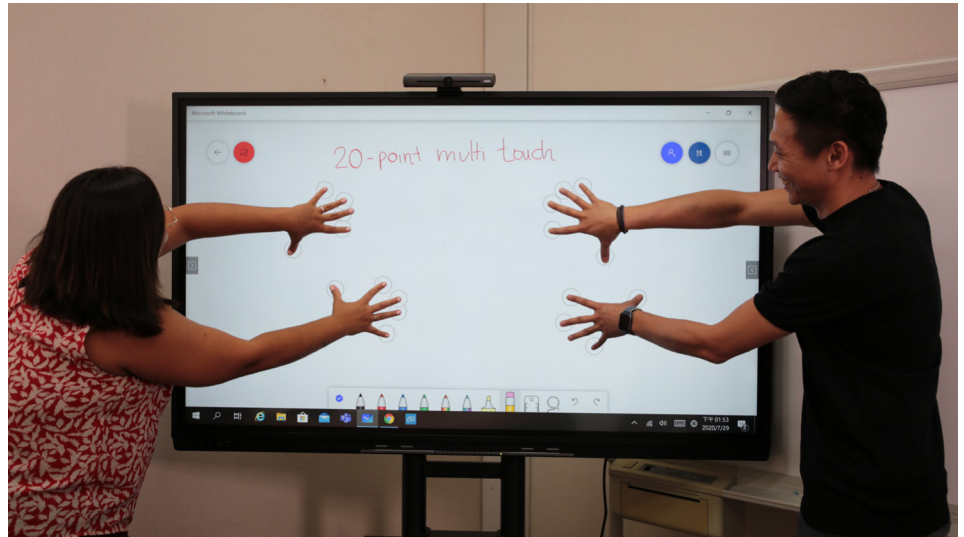
GIGAIPC's whiteboards come with the Windows operating system preinstalled, allowing for plug-and-play deployment. After connecting the smart whiteboard to the Internet via Wi-Fi, apps can be installed on mobile devices and PCs for multi-user collaboration. Teachers or presenters can easily save and share class or meeting notes over the cloud, with those materials stored for later access.

Smart Whiteboard

4K-UHD Reslotion

Contrast Ratio: 1200:1

Display Resolution:
3840 x 2160 Aspect Ratio

Highly Responsive
Touch Screen

Support up to
20-point Touch

Narrow Bezel Black Metal

Display Size: 55"/ 65"/ 75"

Viewing Angel:
H:175°/ V:175°

Aspect Ratio: 16:9

Brightness: 440 cd/m²

SDM-7300L/
SDM-7100L/
SDM-4000L

"...smart whiteboards incorporate 20-point multi-touch technology, enabling the display to recognize the presence of more than one point of contact with the surface at the same time."

The smart whiteboards incorporate 20-point multi-touch technology, enabling the display to recognize the presence of more than one point of contact with the surface at the same time. What that means is more than one person can control the screen at the same time.

Delivering results

There are several examples of the benefits whiteboards can offer, ranging from small school systems to global corporations.

In the remote community of Williams Lake, British Columbia, located 567 km (334 miles) north of Vancouver, Canada, the Indigenous Williams Lake First Nation leveraged high-speed Internet and interactive whiteboards to enable students to stay home and continue their education during the COVID-19 pandemic. Community leaders said the technology would improve students' chances of success in a digital world.

And Taiwanese PCBA repairing company Bestyield International required intensive conference calls with their customers and local service centers to discuss crucial project statuses and technical issues. Seeking to improve their ability to collaborate with clients and make conference calls more engaging, Bestyield deployed GIGAIPC smart whiteboards. After implementing the GIGAIPC solution, the Bestyield team was able to share files more easily, access important pictures of damaged material to inform repair plans and

Business benefits of smart whiteboards

- Enhance collaboration with a solution that streamlines communication between presenters and audiences

- Increase ROI and reduce costs with a solution that improves workflow and offers an easily upgradable solution for long-term economic feasibility

- Streamline remote learning practices with a solution that makes it easy to distribute learning materials

Value differentiators

- Collaborate between devices with connection capabilities from desktop, smart devices, and mobile phones through a single application.

- Deploy quickly with a pre-stalled Windows operating system and an inserted, ready-to-use touch panel

- Gain economic longevity with easy maintenance and system upgrades by simply switching new versions of SDM to save costs

Source: GIGAIPC

ABOUT THE SPONSOR:

GIGAIPC CO, LTD, established in 2018 as an embedded solution-focused subsidiary of GIGABYTE, is driven by passion for technology and sophisticated R&D capabilities. The company leverages its experience in the computing market to offer board-level and system-level products for 5G, IoT, Machine Vision, Industrial Automation, Smart Retail and Healthcare. GIGAIPC operates an award-winning manufacturing facility in Taiwan, synchronizing with GIGAIPC's R&D department to deliver high quality and reliable products. GIGAIPC is a young and energetic organization driven by surpassing our customer's expectations, and we promise to offer our customers not only high-quality computing platforms but also world-class service and support. As a result, GIGAIPC's service centers have been established in most major cities worldwide, and our global presence continues to grow, offering the best service to our customers.

GIGAIPC is an Associate Member of the Intel® Internet of Things Solutions Alliance.