

Accelerate Workplace Efficiency with Intel® Technologies for Interactive Whiteboards

Intel is transforming the workplace with solutions that make global collaboration easier, more interactive, and more inspiring

Next-generation conference rooms with interactive whiteboard (IWB) technologies will greatly enhance the productivity and collaborative power of the meeting room.

Better collaboration enables faster time to insight

Intel enterprise client strategies and products address today's most pressing business challenges, including the need for simplicity, speed, global collaboration and, above all, security. As part of a vision for workplace transformation to support greater innovation and openness, Intel offers a model for next-generation conference rooms with interactive whiteboard (IWB) technologies. Thanks to 6th gen Intel® Core™ vPro™ platforms and free¹ Intel® Unite™ software, this model offers ease of use, remote manageability, and supports content delivery features that have the ability to greatly enhance the productivity and collaborative power of the meeting room.

Our solution is a software-defined infrastructure (SDI) approach that uses Intel Core vPro processor-based media players powering touch-enabled LCDs. This combination of media player and display forms the hub for a wide variety of in-room and remote collaboration experiences that run in an encrypted and secure environment. Intel-based IWBs make real-time collaboration between global parties more satisfying and productive than ever, and with less to impede collaboration between business associates, companies can embrace new ways of working that will inspire enhanced teamwork and continual ideation.

INTEL®-BASED IWB SOLUTIONS CAN DELIVER:

- Faster and easier starts to meetings, improving productivity
- Intuitive user interactions and immersive audio and video experiences
- Less time to deploy and customize a collaboration solution
- Lower total cost of ownership (TCO) through remote management
- Improved security and intellectual property protection



Power and Simplicity in One

6th Gen Intel Core vPro Processors

Businesses are going through the biggest transformation in decades, and Intel is at the forefront of driving the creation of meaningful technology solutions that deliver real, tangible benefits for organizations of all sizes. IWBs based on 6th gen Intel Core vPro processors offer superior performance, security, and remote manageability, including intuitive user experiences that incorporate touch and gesture, and a dramatic reduction in the number of cables required. They are also optimized for Windows® 10 and enable backward and forward compatibility with many other Intel® processors and devices, supporting long lifecycles of up to seven years. What's more, utilizing touch-enabled LCD displays reduces the initial up-front capital investment over projector-based solutions, and supports lower, more predictable long-term operating expense, ultimately leading to lower total cost of ownership (TCO).

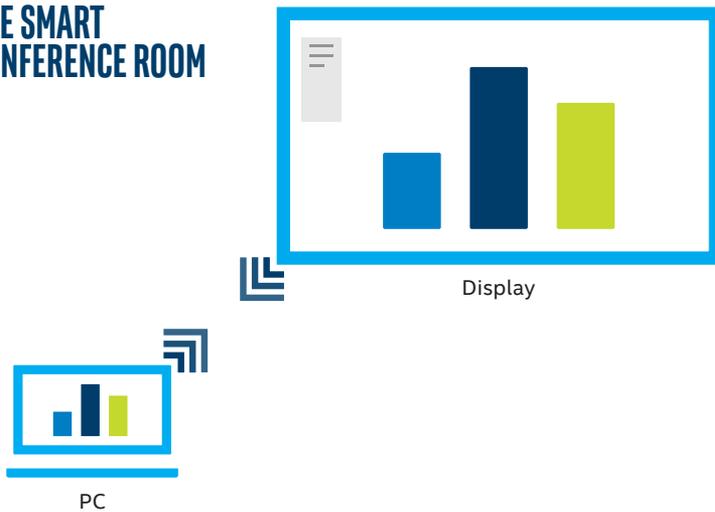
Remote Manageability

Leveraging the latest Intel Core processors in LCD-based IWBs offers the advantage of Intel vPro with Intel® Active Management Technology (Intel® AMT). This technology enables IWBs to be diagnosed, upgraded, and repaired remotely in a secure environment, ultimately reducing IT support and system management costs. It also makes out-of-band management possible. Technicians can remotely access and correct problems with an IWB in a number of system states, including if the OS is down.

Security and Integration

Intel vPro also enables powerful security capability for IWB solutions. For many businesses, protecting the privacy of collaboration and working sessions is of the utmost importance, and Intel vPro allows for hardened, 256-bit Secure Sockets Layer (SSL), enterprise-grade encryption. Intel vPro technology platforms also include features and capabilities to tightly integrate with complex infrastructure components such as Microsoft Active Directory*, DNS, DHCP, public key infrastructure (PKI), enterprise WLAN environments, and other standard tool sets.

THE SMART CONFERENCE ROOM



REQUIRED



Mini PC



Application



Touch-Enabled Display

OPTIONAL



Video Switch



Motion Sensor



To further deliver on the advantages of IWBs, free¹ Intel Unite software enables real-time collaboration between users regardless of where they're located, and is transforming how businesses collaborate, helping to make sure that every meeting minute counts. It offers a simple and easy-to-use operating environment that most users can learn in just moments. Once Intel Unite is up and running, all participants can join the meeting by simply entering a secure PIN code. Any participant can then begin to contribute in real time by pushing content, marking up diagrams, offering feedback, or even by taking over as presenter. Intel Unite is vendor-agnostic and can be integrated with a wide variety of corporate meeting room technology platforms, including functioning as a Lync* and Skype* add-on, to create a more comprehensive communications solution.

Intel® Authenticate

Intel® Authenticate is a hardware-enhanced multifactor authentication solution, available on 6th gen Intel Core and Intel Core vPro platforms, that strengthens identity protection by capturing, encrypting, matching, and storing the key user identity and credential information in the hardware. Intel Authenticate verifies identities by using a combination of up to three hardened factors at the same time.

The Future of Collaboration

Intel and its robust ecosystem are ushering in a new wave of business collaboration that is more effective, more efficient, and more human. The LCD-based interactive whiteboard model allows for free-flowing, multiway communication, and its small footprint allows collaboration to take place wherever it best suits the organization. At the same time, this model leverages some of the most powerful Intel security and manageability features available. This technology will make it easier, safer, and more productive for companies to get employees talking, thinking, and innovating in new and more engaging ways.

Open Pluggable Specification (OPS)

In 2010, Intel developed the Open Pluggable Specification (OPS) to standardize and simplify the creation of LCD-based IWBs, digital signage, and other intelligent displays. Since then, more than 40 leaders in the display industry have adopted this technology because of its power, versatility, small footprint, and the ease of setup and upgrade for end users. Setting up OPS-enabled IWB and digital signage monitors can be as easy as plugging the OPS computing device into the display's OPS slot. The low-power, highly modular pluggable form-factor interface of OPS takes advantage of the latest innovations in Intel processors to create exciting new opportunities for those developing intelligent displays, including high-resolution (up to 4K/60Hz) solutions.

For more information on OPS, visit intel.com/ops.

Advanced Interactions

Intel's continuing innovation in the area of IWBs is leading to extended usage models and exciting new user experiences, including the integration of large-format, touch-based displays and Intel® RealSense™ technology, which allows users to control and interact with digital content using physical gestures. Presenters using Intel-based IWBs will soon be able to deliver dynamic presentations using only the motion of their hands and bodies.

Intel IWB initiatives are undergoing continual development to keep pace with monitor technology, including the adoption of 4K/60Hz screen resolutions. Expect to see new IWB solutions with reduced footprints and enhanced features—like gesture and motion control with the incorporation of Intel RealSense technology—on the market in the near future.

Learn more about interactive whiteboards and Intel® Unite at intel.com/unite.



1. Requires a minimum hardware specification.

Intel® technologies' features and benefits depend on system configuration and may require enabled hardware, software, or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer, or learn more at [intel.com](https://www.intel.com).

Software and workloads used in performance tests may have been optimized for performance only on Intel® microprocessors. Performance tests, such as SYSmark* and MobileMark,* are measured using specific computer systems, components, software, operations, and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information, go to [intel.com/performance](https://www.intel.com/performance).

Intel® vPro™ technology is sophisticated and requires setup and activation. Availability of features and results will depend upon the setup and configuration of your hardware, software, and IT environment. To learn more, visit [intel.com/technology/vpro](https://www.intel.com/technology/vpro).

Requires activation and a system with a corporate network connection, an Intel® Active Management Technology (Intel® AMT)-enabled chipset, and network hardware and software. For notebooks, Intel AMT may be unavailable or limited over a host OS-based VPN, when connecting wirelessly, on battery power, sleeping, hibernating, or powered off. Results dependent upon hardware, setup, and configuration. For more information, visit [intel.com/content/www/us/en/architecture-and-technology/intel-active-managementtechnology.html](https://www.intel.com/content/www/us/en/architecture-and-technology/intel-active-managementtechnology.html).

Keyboard-Video-Mouse (KVM) Remote Control is only available with Intel® Core™ i5 vPro™ and Core™ i7 vPro™ processors with Intel® AMT activated and configured and with integrated graphics active. Discrete graphics are not supported.

No computer system can provide absolute security under all conditions. Built-in security features available on select Intel® processors may require additional software, hardware, services, and/or an Internet connection. Results may vary depending upon configuration. Consult your system manufacturer for more details. For more information, see <https://security-center.intel.com/>.

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