

Lenovo Brings IT Scale to Intelligent Meeting Rooms

Lenovo Chooses Intel® Core™ processors for its ThinkSmart One Pro all-in-one meeting room endpoint that unifies audio, video, and AI capabilities such as collaboration, transcription, recording, and summaries



Executive Summary

Organizations are rapidly scaling intelligent, AI-enabled meeting rooms across a greater share of office meeting spaces—reducing manual note-taking, improving action tracking, and minimizing rework through built-in transcription, recording, and automated summaries that support asynchronous workflows. As these systems become network-connected endpoints, IT teams require centralized deployment, security, lifecycle management, and remote support capabilities.

Lenovo ThinkSmart One Pro, powered by Intel® Core™ processors and Intel vPro® technology, combines AI-enhanced audio, smart video camera capabilities, Windows Autopilot deployment, and remote device management into a single all-in-one collaboration bar. For organizations that standardize on Windows management tools and workflows, ThinkSmart One Pro can simplify deployment and support operations through Windows Autopilot and Intel® vPro®-enabled remote management capabilities.



Lenovo ThinkSmart One Pro at a Glance

- All-in-one video conferencing bar with integrated compute, camera, microphones, speakers, and collaboration software
- Powered by Intel Core processors with Intel vPro technology
- Supports Microsoft Teams Rooms and other leading conferencing platforms
- Smart camera with auto-framing and privacy shutter
- Eight beam-forming microphones with AI-enhanced noise reduction and echo cancellation
- Windows Autopilot support for streamlined deployment and provisioning
- Remote management through Lenovo ThinkSmart Manager
- Table- and wall-mount options optimized for small meeting rooms
- Can reduce deployment, support, and lifecycle management costs for IT organizations

When considering video conferencing solutions for conference rooms, most organizations balance system cost with industry leading features, great audio clarity, high-resolution video and integrated compute for AI features. But too many times, organizations consider just the initial cost and not the enrollment and ongoing management costs – which add up quickly.

Video conferencing systems are increasingly being deployed in a higher percentage of headquarters meeting spaces as well as remote offices, playing an important role in optimizing work from employees located in remote offices and other locations across an enterprise. They are becoming a mainstream network-attached system and need enterprise-grade security, device management, and lifecycle support similar to other managed IT assets.

Lenovo, an Intel® Industry Solutions Builders Partner, has developed the ThinkSmart One Pro video conferencing system to meet the needs of organizations seeking cost-effective video conferencing.

ThinkSmart One Pro Delivers Meeting Collaboration

ThinkSmart One Pro (see Figure 1) is an all-in-one video conferencing bar for conference rooms. Its sleek, table- or wall-mountable design makes setup simple. The ThinkSmart One Pro is easy to deploy, manage, and scale across rooms for consistent, high-quality collaboration.

The system uses either the USB-C connected Lenovo ThinkSmart Controller or the PoE-Connected Lenovo IP Controller for easy meeting set up and input control. Both controllers feature a 10.1" high-resolution 10-point touch screen. This antiglare, and anti-fingerprint display features 30° and 60° rotatable mount.

Windows-Based Teams Rooms Can Lower TCO

When enterprises evaluate conferencing systems, upfront cost is only part of the decision. For IT leaders, the more important question is total cost of ownership. Deployment effort, remote support, security compliance, lifecycle management, and onsite service visits can all add cost long after the room is installed. For organizations managing rooms across multiple sites, these operational costs can outweigh the initial savings of a lower-cost device.

Lenovo ThinkSmart One Pro, built for Microsoft Teams Rooms for Windows (MTR-W) and powered by Intel, helps shift videoconferencing economics. It gives enterprise IT teams a familiar Windows management foundation, Intel vPro-based remote manageability, and access to Windows Autopilot with Autologin for simplified deployment and lifecycle recovery.

Reduce Truck Rolls with Intel vPro

One of the key operational advantages of MTR-W devices based on Intel® vPro® technology is remote recoverability. Lenovo ThinkSmart One Pro systems with Intel vPro can support out-of-band manageability, allowing IT teams to attempt remote diagnosis and recovery even when the operating system or Teams Rooms application is not responding.

For distributed enterprises, this can reduce the need to send technicians onsite for many support events. Fewer truck rolls mean lower service costs, less room downtime, and a more scalable support model. Instead of treating every room issue as requiring a physical dispatch, IT can troubleshoot remotely first and reserve onsite visits for cases that truly require hands-on service.



Figure 1. ThinkSmart One Pro video conference bar with controller.

Windows Autopilot and Autologin Simplify Deployment

MTR-W also offers a deployment advantage through Windows Autopilot with Autologin. Microsoft supports Windows Autopilot and Autologin for Teams Rooms on Windows, enabling IT teams to deploy, provision, reset, redeploy, and recover Teams Rooms on Windows devices. This approach can remove the need for direct interaction with the Teams Rooms device during provisioning and deployment.

With Autopilot and Autologin, a Teams Rooms on a Windows device can complete Windows and Teams app installation automatically out-of-box and sign in to the Teams Rooms app after installation. For enterprise rollouts, that means a more repeatable deployment process, less manual configuration, and a simpler path to standardize room setup across locations.

Manage Rooms and Peripherals With Ecosystem Flexibility

Meeting rooms evolve. Cameras, microphones, speakers, displays, and room layouts change over time. MTR-W benefits from the maturity of the Windows hardware and driver ecosystem, which can make it easier for IT teams and partners to support a broader range of room configurations and peripherals.

Build on a Known Security And Management Foundation

MTR-W extends the Windows endpoint model into the meeting room. For many enterprise IT teams, that means the room system can align more naturally with existing processes for endpoint management, security monitoring, patching, and support.

MTR-W leverages enterprise-grade Windows security including TPM 2.0, Secure Boot, and Microsoft Defender with Defender for Endpoint integration to deliver a robust, trusted security baseline for corporate IT. This allows IT teams to manage meeting room devices using the same tools, policies, and processes already in place across their Windows environment, providing a more consistent and familiar operating model.

Other security and manageability advantages for MTR-W devices include:

- Familiar IT Endpoints – MTR-W devices including the ThinkSmart One Pro can integrate with existing IT Windows management, including group policy and Microsoft management tools.
- Cost of Securing Devices – MTR-W devices combine the Windows security baseline—including TPM 2.0, Secure Boot, virtualization-based security, and Microsoft Defender—with hardware-enhanced security and remote-manageability capabilities from the Intel vPro platform. When enrolled in supported Microsoft management and security services, IT teams can extend familiar Windows device compliance, endpoint-security, and support workflows to meeting-room systems.

- Peripherals Driver Support – Updating MTR-W devices to support new peripherals (cameras, microphones, speakers) can be a seamless experience for IT thanks to greater availability of these drivers for the Windows ecosystem.

Smart Camera Technology for Clear Video

Microsoft Teams Rooms on Windows supports multi-stream view, allowing independent camera feeds to be sent simultaneously to remote participants. This provides flexibility for dedicated multi-camera configurations enabling simultaneous streams for presenter, head-of-table and room views. The ThinkSmart One Pro camera features auto framing to dynamically adjust camera angles and focus as participants talk, move, and enter or exit the room. The camera also has a physical camera shutter that can close for privacy.

AI-Powered Audio

Crisp, clear audio is an area where the ThinkSmart One Pro stands out thanks to Lenovo's engineering investment to create a new audio algorithm and digital signal processing (DSP) board that, together, deliver exceptional audio quality and industry-recognized performance.¹

The ThinkSmart One Pro features eight beamforming microphones that target active speakers, reduce ambient noise, and eliminate disruptive echoes during calls. The solution greatly minimizes background noise and cross talk and adds up to a more natural conversation.

This effort has paid off in industry recognition from PAL Acoustics & Audio Labs, a well-recognized independent audio testing organization. This objective third-party lab put the ThinkSmart One Pro through testing and concluded that the system earned the highest scores awarded to date for both near-end and far-end subjective assessments.²

AI-Capable Compute from Intel

The ThinkSmart One Pro features an 11th Gen Intel® Core™ i5 1145G7E processor with Intel vPro. This four-core processor has a maximum turbo frequency of 4.10 GHz and features Intel® Iris® Xe Graphics processor unit with performance up to 80 execution units.

With this CPU, the ThinkSmart One Pro has the compute performance to run MTR-W conference room applications including special AI features such as automatic translation and transcription, meeting recaps with action items, contextual audio and background isolation.

Management from a Single Screen

Lenovo's ThinkSmart Manager features remote management that uses the capabilities of Intel vPro including Intel® Active Management Technology (Intel® AMT). ThinkSmart Manager works regardless of the state or location of the devices. The system allows IT to use a single console to see real-time status by device with updates, perform bulk configurations and restarts, and to generate reports that allow management of device issues and trends.

¹ Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.

² Based on PAL Labs Acoustics Subjective Far End and Subjective Near End assessments when compared to similar products in the AV bar category.

Conclusion

As organizations standardize collaboration experiences across offices and remote locations, conference room systems must deliver more than high-quality audio and video. They must also provide enterprise-grade security, centralized management, and simplified deployment. Lenovo ThinkSmart One Pro combines AI-enhanced collaboration features, integrated compute powered by Intel Core processors, Windows-based management, and remote support capabilities into a single all-in-one solution. The result is a scalable platform that helps IT teams reduce operational complexity while providing employees with consistent and productive meeting experiences across distributed work environments.

Learn More

[ThinkSmart One Pro Webpage](#)

[ThinkSmart One Pro Datasheet](#)

[ThinkSmart One Pro Press Release](#)

[Intel® Core™ i5-1145G7E Processor](#)

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