

Harness the power of Microsoft Teams Rooms

A path from BYOD to native Teams Rooms



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Estimated reading time:
Less than 22 minutes

The role of the shared meeting space





The way we work has undergone a seismic shift, and there is no going back. The preference for hybrid and remote work arrangements continues to grow year-over-year, with 53 percent¹ of respondents from our global workforce survey saying they will consider shifting to a hybrid model in the year ahead. Employees everywhere are rethinking their work “worth it” equation—what people want from work and what they’re willing to give in return—and they are voting with their feet to find work that better aligns with their priorities. As more people experience the upsides of flexible work, the more it factors into the equation and the greater the urgency for companies to meet employees where they are.

To address employees’ expectations around workplace flexibility, organizations must implement reliable collaboration tools that help people feel empowered to collaborate no matter where they sit. The technology at many organizations does not meet the bar today. More than 43 percent of remote attendees say they don’t feel included in meetings, while less than 8 percent² of rooms worldwide are video enabled.

Microsoft has a plan to evolve the hybrid meeting experience with Microsoft Teams Rooms so everyone feels included, represented, and can collaborate freely. With Teams Rooms, connections between people joining meetings from the office and at home are richer and feel more natural.

Developing hybrid-ready meeting spaces





As we consider what work was like before the pandemic, those who were together in the office had the advantage. Remote work was generally the exception, not the rule, so most meeting spaces weren't equipped to deliver inclusive hybrid meetings. Those joining from home were left to feel disconnected, less empowered, and less a part of the meeting.

Now, organizations around the world are confronting complex choices around how to modernize their spaces to keep up in the hybrid era and bridge this experience gap. How do leaders know what solutions they need for their shared spaces that will deliver on this inclusivity and further enable productivity? With a growing array of device types and deployment models, making sense of the best solution for your needs has never been more challenging.



The good news is hybrid readiness can be achieved along a continuum of intervention and cost, from low-touch strategies like software and hardware updates, to high-touch intervention like altering room infrastructure. Where an organization falls on the continuum depends on a range of factors unique to its situation. Organizations can also scale up investment over time and move a room along the continuum to achieve better hybrid meeting experiences as resources become available.

The purpose of this document is to provide an overview of factors to consider when developing, implementing, and sustaining your hybrid meeting experience. Hybrid-optimized meetings are more immersive, and can bridge the digital and physical to improve productivity and increase engagement.



At Microsoft, we define hybrid-ready spaces as rooms equipped with a purpose-built meeting room solution certified for Teams called Microsoft Teams Rooms. We define bring-your-own-device (BYOD) meeting experiences as an unmanaged meeting room solution that requires the presenter's PC to drive the meeting. We will outline why Teams Rooms sets the bar for hybrid readiness over BYOD options, and what organizations that need to scale investment over time can do today to ensure it's easy to upgrade to a Teams Room tomorrow.

Hybrid readiness continuum

Lesser

Unmanaged and lacks privacy



Peripheral devices that are not certified for Teams (BYOD)

Good

Reliable audio but lack inclusive meeting and video experiences



Peripheral devices that are certified for Teams (BYOD)

Better

Hybrid work-ready, inclusive, easy to use, flexible, and secure meeting experiences for all attendees



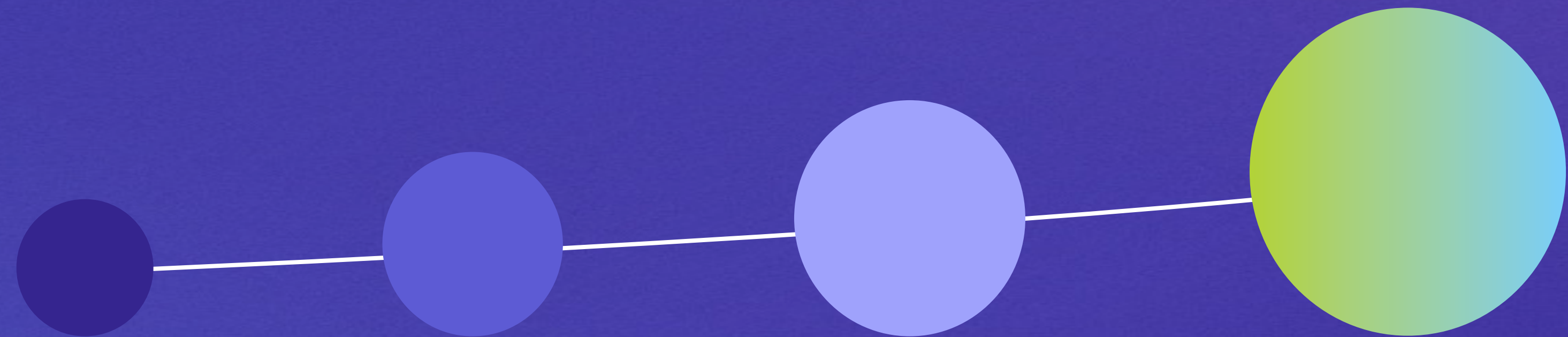
Microsoft Teams Rooms

Best

Immersive experiences that bridge digital and physical meeting interactions



Signature Microsoft Teams Rooms



Teams Rooms vs. BYOD





Connecting disparate teams and helping them collaborate as if they are in the same room is no small feat. Simply connecting your PC to a room display or enabling audio and video in a space seems like it might be enough, but much more is required for a productive, hassle-free, and delightful hybrid meeting experience. It takes a solution that considers the experience of both in-person and remote attendees and can be used in a variety of spaces. In other words, it takes a solution that is designed for the job.

A meeting solution designed for the future of work

- Hybrid meeting experiences for all participants.
- Shared spaces of all types.
- Providing the best experience for Teams users (with the ability to connect to other meeting platforms as well).

Teams Rooms is a dedicated solution that supports any meeting type and space, and delivers immersive and natural experiences so no one is left behind.

Meetings that rely on bring your own device (BYOD) scenarios that depend on a PC connected to a display for audio and video are sub-optimal experiences because PC microphones and cameras aren't designed to support the dimensions of a meeting space, people sitting out of frame, or voices coming from different distances. BYOD is not purpose-built for hybrid meetings and requires solid planning to prevent challenges. Unreliable audio connections and lack of inclusivity can put a strain on end users and the IT team managing the infrastructure.

Teams Rooms outperforms BYOD across both end-user and IT experiences

End user benefits

- Boosts meeting productivity
- Builds stronger connections

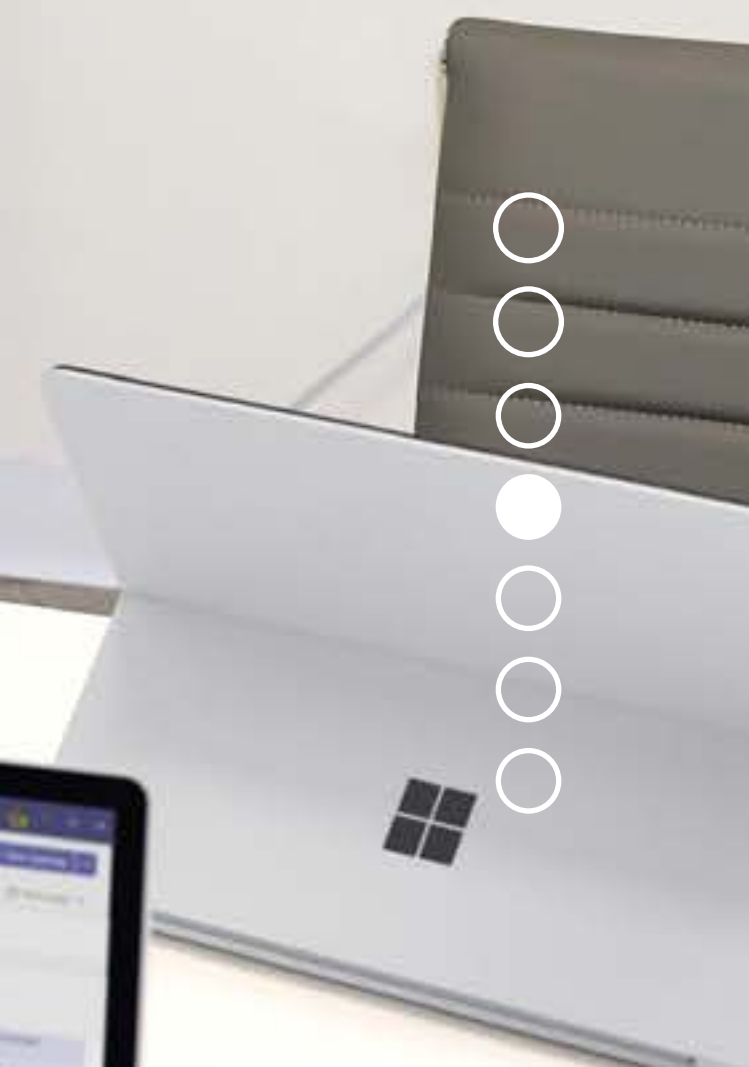
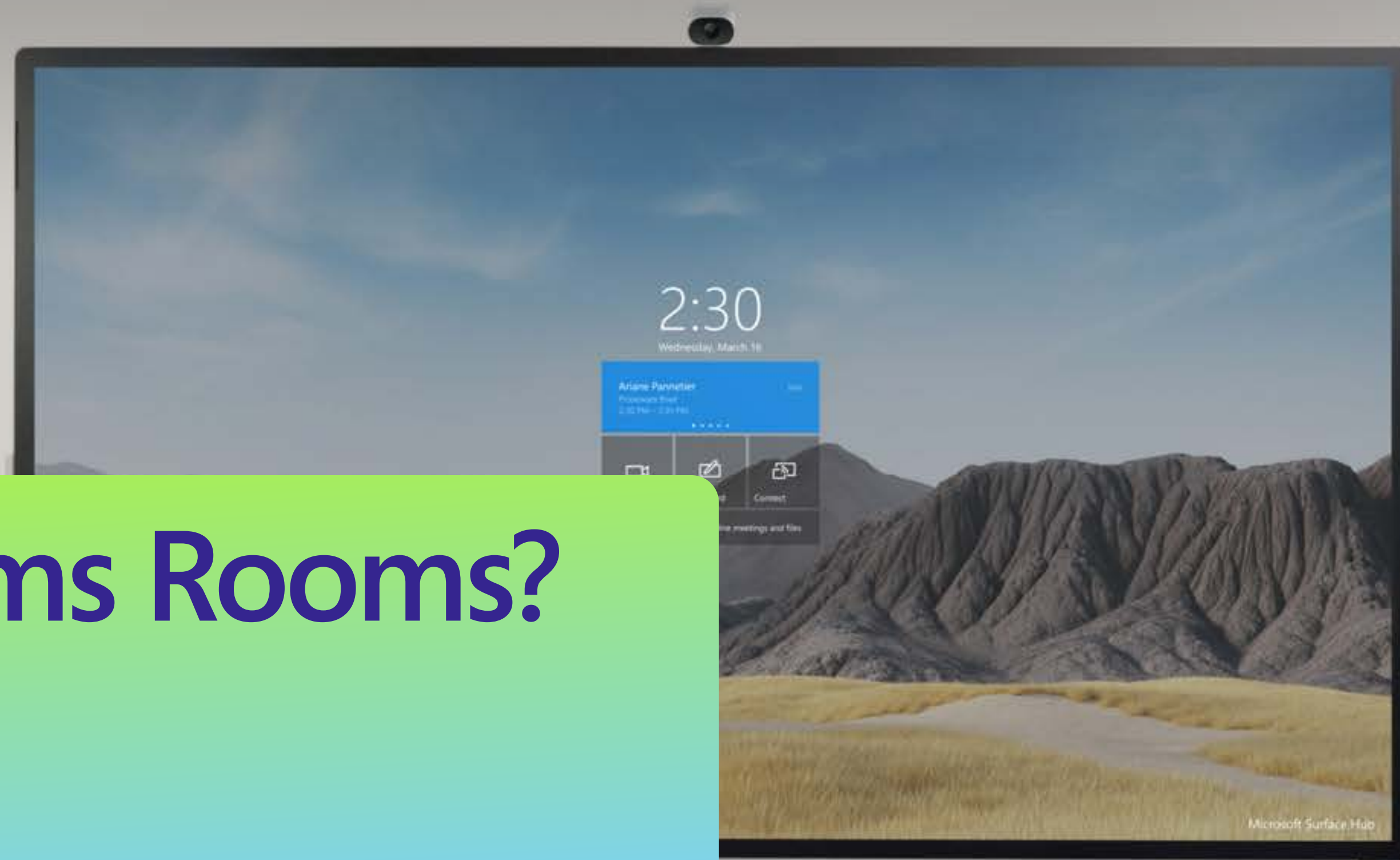
IT benefits

- Protects meetings and data
- Saves time and money on management and support
- Helps optimize use of space using rich analytics provided by Teams Rooms

Missing from BYOD

- An inclusive hybrid experience
- Predictability in performance
- Robust security capabilities
- Management and reporting capabilities

What is Teams Rooms?





Microsoft Teams Rooms is a modern meeting space solution that brings together the power of the Teams platform with dedicated first-party or third-party audio and video devices, certified by Microsoft. Teams Rooms removes the barriers between spaces, places, and people, delivering the best Teams meeting experience in any space.

Inclusive Teams Rooms meeting experiences are powered by an intuitive, purpose-built app from Microsoft. Through a rich ecosystem of devices certified for Teams, premium audio and video ensure everyone can be seen and heard clearly. Interactive features help remote participants establish their presence in the room, and dynamic meeting layouts allow people in the room to see remote colleagues and content at the same time. With enterprise-grade security and auto-enrollment options, Teams Rooms helps IT admins save time and costs. Teams Rooms turns any meeting room into an easy-to-manage and inclusive collaboration space where everyone has a seat at the table, regardless of where they sit.

What is the value of a native, purpose-built solution?

The native app experience

Teams Rooms runs native software that is built on top of the powerful Teams platform and designed to deliver a consistent Teams experience that many users are familiar with. Collaboration is easy and hassle-free on Teams Rooms devices and in shared hybrid meeting scenarios. Native apps work with the device's OS in ways that enable them to perform faster and more flexibly than alternative application types. Teams Rooms Basic and Pro enable this native software.

Devices that are purpose-built and certified for Teams

These are first-party or third-party audio and video devices certified by Microsoft and dedicated to powering the meeting space. Microsoft Teams certification is a badge of quality for select audio and video devices. It tells you that Microsoft and its partners have worked together to optimize these devices for use with Microsoft Teams and that both Microsoft and the device manufacturer stand behind your solution.

A purpose-built solution can't be matched

Non-native and self-built systems that rely on external services or a BYOD connection can't equal the ease of use or integration with Microsoft 365 services built into a native Teams Room. Teams Rooms is designed for participants to be able to start a meeting within seconds, without the hassle of connecting cables, finding the right meeting, or using a separate computer to run the meeting.

Hardware components of a Teams room



Touchscreen console



Compute device
+ Teams Rooms software



Camera



Audio



Display

Teams Rooms devices are available across a variety of form factors, from highly modularized kits that can be scaled to meet any room size, to integrated solutions that bring the compute, microphone, speaker, and camera into a single device that is compact and easy to deploy.

Teams Rooms delivers

Inclusivity

- Everyone can be seen and heard with high-quality audio and video
- Engagement increases with features from Teams, including automatic live captions, raise hand, and more
- Real-time collaboration and co-creation is easier with Microsoft Whiteboard and intelligent content capture
- Attendees know who said what with attributed meeting transcription using intelligent speakers

Ease of use

- End users can depend on consistent experiences with a familiar, intuitive app built by Microsoft for Teams
- Quick, simple options enable users to schedule, join, and participate in Teams meetings
- Safety features such as touchless device options and room capacity notifications keep in-room attendees safe

Flexibility

- The needs of any size space or meeting type can be met
- More capabilities are unlocked with an ecosystem of Teams Rooms devices
- Users can join meetings from other meeting platforms

Security & management

- Devices, software, and Microsoft cloud are secured by design
- AI-driven managed services with proactive management and threat analytics
- Simplified self-management with comprehensive tools in Teams Admin Center



If your organization needs to scale investments over time to achieve hybrid-readiness with Teams Rooms, start your journey with one that leverages peripherals certified for Teams in BYOD environments, and intentionally designed to upgrade easily to a Teams Room later. Peripherals certified for Teams deliver high-quality audio and video to your space and help you stay agile when deploying and building on your hybrid meeting infrastructure. When you're ready to upgrade to Teams Rooms, add the missing components (Teams Pro license, compute, touchscreen console, displays) to complete the solution.

[Explore peripherals certified for Teams](#)

End user benefits



Regardless of the type of meeting space, a meeting's overall goals are always the same: to be as productive as possible and build stronger connections between people. After all, think about how much salary is tied up in a five-person meeting.

In meeting rooms with a mix of disparate hardware and software solutions, connectivity issues can cause meetings to start an average of 8 minutes late.³ Additionally, inclusive collaboration experiences are largely nonexistent—making it harder for your teams to feel connected. Over time, that can add up to millions of dollars in lost productivity and employee turnover due to dissatisfaction with meeting experiences.

Let's take a closer look at the ways Teams Rooms end-user experiences outperform BYOD across both meeting productivity and building strong team connections.

Boost meeting productivity

BYOD environments put the burden on the end user to start and run the meeting. Participants must plug in a cable or use an adapter dongle, plug in at least one USB peripheral, and sometimes two if they are separate devices. They may need device driver software installed on their laptop to enable all the features of the camera or mic, and must also tell their operating system and conferencing software which microphone, camera, speakers, and display to use. The more steps needed to sort out problems, the greater the chance of disrupting the meeting, starting late, and affecting productivity. Having multiple employees sitting around waiting for such issues to be addressed wastes their time and their employer's money. If you have customers waiting on the other end of the call, it could also create poor first impressions, damage your business reputation, and cost you revenue.

On the other hand, Teams Rooms is a dedicated system that is fixed to the room. Users can start the meeting with the touch of a button and share content wirelessly. The reliability and ease of use of Teams Rooms helps boost meeting productivity for all attendees, across all types of spaces.

Two metrics help evaluate the effect of Teams Rooms on meeting room productivity:

1. Quick meeting startup times for more efficient meetings.
2. High participant engagement with a greater share of attention from attendees.

Next, let's dive into the ways that Teams Rooms outperforms BYOD across these two productivity metrics.

Faster meeting startup times

	Teams Rooms	BYOD
Navigating equipment	A consistent Teams meeting experience across all your spaces reduces the learning curve with a simple, intuitive, and familiar user experience. Updates and new features happen automatically, which ensures that the latest Teams Rooms features are available in every room.	Rooms often have a jumble of cables that attendees must sort through to connect their laptops. Cables and peripherals can vary from room to room, so there's no consistency. Also, cables get tangled, unplugged, and are easily broken, making navigating the meeting room harder.
Starting the meeting	One Touch Join automatically connects to and starts a meeting in seconds. Proximity-based Join means users' personal devices can detect and join nearby Teams Rooms. A personal device's audio is automatically muted to avoid feedback.	Meetings depend on an on-site attendee's PC. The attendee must go through several steps, including shutting down any apps and documents on their laptop, finding the appropriate cable to plug in, and locating the correct meeting invite to get the meeting started. All these steps take valuable time away from the meeting itself.



More efficient meetings

	Teams Rooms	BYOD
High-quality audio	<p>Teams Rooms ensures high-quality audio at both the hardware and software level so everyone in a meeting can be heard well, whether in the room or remote. Teams Rooms delivers this through:</p> <ul style="list-style-type: none"> • AI-driven improvements to audio and video quality with Satin Audio Codec • Intelligent real-time adjustments that improve calling and meeting experiences in the office and on the go • Admin tools to help manage and optimize calling and meeting experiences • Hardware designed to perform optimally with Teams- 	<p>PC mics and speakers, which aren't designed for conference rooms or to pick up multiple voices coming from different distances, create a poor audio experience. USB manufacturers have various specs for interacting with different PCs, meaning audio isn't reliable and often cuts out.</p>
Sharing content	<p>In a Teams Room, participants can easily share content wirelessly from a personal device; no cables or wires are needed.</p>	<p>Connecting personal devices with workplace tools like meeting room display systems can become time-consuming and confusing. Sharing an entire laptop used to run the meeting creates privacy issues. The presenter must have all content ready ahead of time, to prevent meeting attendees from seeing unrelated documents. There are multiple types of PC devices that enter a workspace or meeting setting. The diversity of devices, operating systems, and software can lead to significant compatibility issues, regardless of whether the content is shared wirelessly or not. The number of screens, different screen sizes, too many cables, etc. create additional problems for meeting holders and IT managers.</p>

More seamless meeting experiences



	Teams Rooms	BYOD
Connecting to other platforms	Direct Guest Join lets the Teams Rooms console interact with other meeting providers' web-based meeting experiences and control in-room audio and video devices.	Organizations that choose BYOD to gain meeting platform flexibility often do so at the expense of critical inclusivity and collaboration features that keep colleagues connected. This sacrifice is unnecessary when Teams Rooms comes with Direct Guest Join, which enables platform flexibility without employees having to install anything on their personal devices. With BYOD, the conferencing software used is the Teams desktop software client, or a similar web-based conferencing client running on the laptop, requiring users to log in using their credentials. If the user needs to join another platform as a guest, such as Zoom, WebEx, etc., they may need to install or update that software and log in as a guest, which can delay the meeting.
Touchless experience	<p>With certain configurations, Teams Rooms automatically creates room capacity notifications to prevent crowding. Cortana Voice Assistance starts and ends the meeting.</p> <p>Attendees in the room can use their personal devices to wirelessly join a meeting and control in-room devices. Users can cast content from a personal device.</p>	Setting up a BYOD meeting means an attendee must physically sort through cables and plug their PC into the appropriate one to start a meeting. Often, the user must ensure other peripherals in the room are connected.

Better engagement in meetings



	Teams Rooms	BYOD
Raise hand	Teams Rooms makes it easy for attendees to engage in any discussion using the “raise hand” feature. They can add a comment or ask a question without interrupting the speaker, which keeps the conversation flowing without awkward pauses and interruptions. The feature also lists who “raised their hand,” and in what order.	While the “raise hand” is a feature available in any Teams meeting, the native experience is built for hybrid meetings where some attendees are on-site in a shared space. This feature is not readily visible to in-person attendees without each attendee signing into the meeting from their personal device. This focuses everyone’s attention on their PC instead of what would be more natural when in a room with others, which is to look at each other.

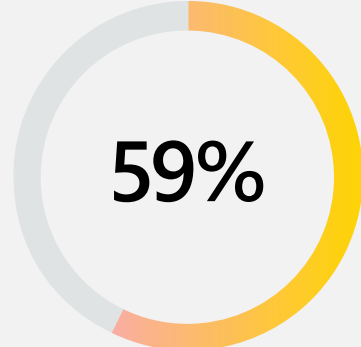
Improved flexibility in meetings



	Teams Rooms	BYOD
Intelligent content capture	Intelligent content capture lets meeting attendees share physical objects digitally, such as whiteboards and books, so both in-room and remote attendees see them as clear, vibrant, and within the frame.	Similar experiences are not available with BYOD. When an in-room attendee walks out of the camera frame to draw on an analog whiteboard, or multiple people speak and it's not clear who said what, remote participants are in the dark.
Agility to pivot in real-time	Teams Rooms is a dedicated solution that powers the meeting, freeing attendees from dependency on their personal device. While personal devices are optional, they can enhance attendees' presence without locking them in to their personal PCs or mobile devices. Allowing presenters to pull up relevant notes and documents during a meeting and share them wirelessly—helping them stay agile and on topic.	BYOD relies on an in-person attendee's personal PC. If the attendee duplicates their desktop, instead of changing settings to extend the desktop, it limits what they can share. It is much harder to pull up relevant documents without disrupting the meeting. In this way, working off a personal device can be distracting and affect the productivity of the meeting.



43% of leaders say relationship-building is the greatest challenge in remote and hybrid work.⁴



59% of hybrid employees and 56% of remote employees have fewer work "friendships" since going hybrid or remote.⁴

Build stronger connections

When you have both remote and hybrid workers, it can be a struggle to stay connected, bond with teammates, and create a sense of company culture. Forty-three percent of remote employees and 44 percent of hybrid employees say they do not feel included in meetings, yet only 27 percent of organizations have established new hybrid work meeting etiquette.¹

Building stronger connections can be achieved through driving three core user experiences:

- Inclusive experiences for all
- Real-time meeting interactions
- Ability to be heard and seen with personal presence across the meeting

Let's look at how Teams Rooms outperforms BYOD to foster stronger connections and further enhance personal presence across hybrid meetings.

“When people trust one another and have [social] capital, you get a willingness to take risks, you get more innovation and creativity and less groupthink.”

Nancy Baym

Principal Researcher, Microsoft Research

More inclusive experiences for all participants



	Teams Rooms	BYOD
Dynamic video layout*	<p>Teams Rooms allows participants to see both people and content simultaneously, no matter how many displays are at the front of a room, so they never lose sight of who's in the meeting. Inclusive video layouts let everyone see people, content, and chat simultaneously—fostering a deeper connection between in-person and virtual participants.</p> <p>* Some video layouts may only be available with a Teams Rooms Pro license.</p>	<p>While an attendee projecting their PC to the front-of-room display may benefit from the inclusive layouts available as part of the Microsoft Teams client for desktop, these experiences are not built for hybrid meetings (where some attendees are on-site in a shared space). In-room attendees may experience a sub-optimal view that makes it hard to follow who's in a meeting, what is shared, who is speaking, and the meeting's context (such as chat).</p>

Inclusive experiences for all participants



	Teams Rooms	BYOD
Front Row	<p>Front Row is a display experience designed to make it feel like remote attendees are sitting across from you. The video gallery is at eye level at the bottom of the screen so people in the meeting room can see remote colleagues in a more natural face-to-face interaction—similar to if they were in the same physical space.</p> <p>Content is centered on the screen and surrounded by additional meeting information and attendee sentiment, including chat, raised hands, and live reactions.</p>	<p>Front Row is not available. However, Auto Live Captions can detect what’s being said and who’s saying it to create real-time captions. This feature helps those who prefer visual cues when engaging with meeting participants and ensures everyone can follow the conversation effectively.</p>

Real-time meeting interactions



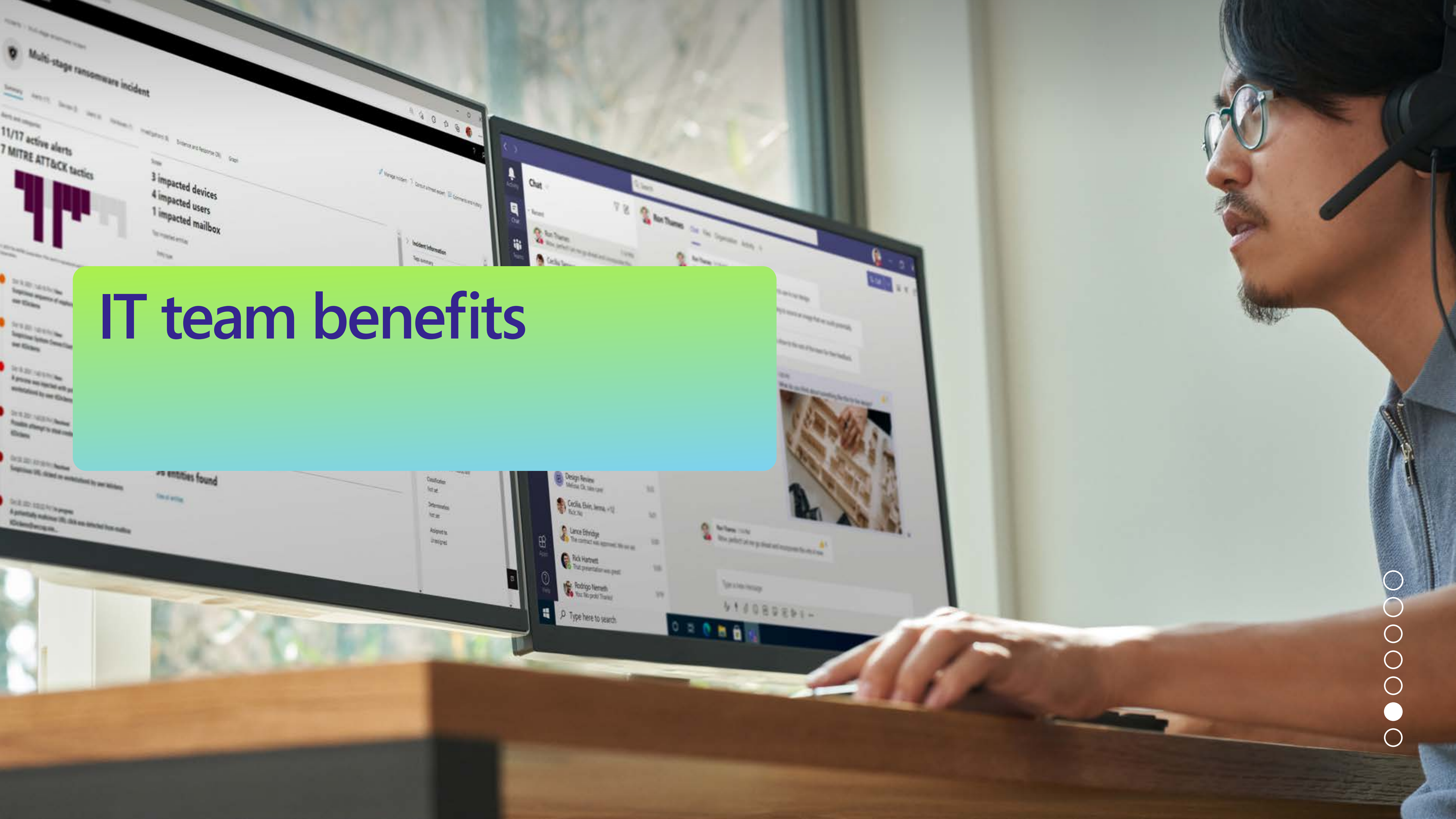
	Teams Rooms	BYOD
Real-time interactions	Teams Rooms lets participants interact in real time with colleagues in fun and natural ways by using reactions, emojis, and GIFs. With these features, people don't need to interrupt the conversation to express opinions and share feedback.	While an attendee projecting their PC to the front-of-room display may benefit from the interactive experiences available as part of Teams meetings software, these experiences are not built specifically for hybrid meetings where some attendees are on-site in a shared space. These interactions are not readily visible to in-person attendees without each attendee signing into the meeting from their personal device as if they are all remote participants. This glues everyone's gaze to their PC instead of what would be more natural when in a room with others, which is to look at each other.

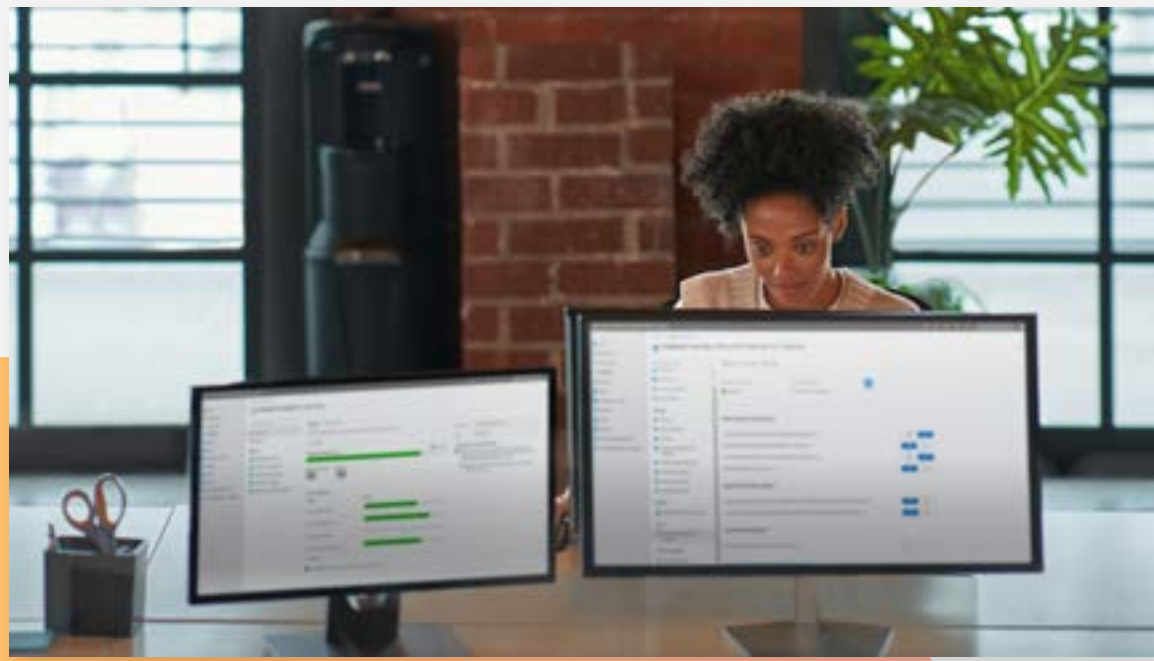
Be heard and seen across the meeting



	Teams Rooms	BYOD
Intelligent speakers	Using Microsoft voice recognition technology, intelligent speakers identify who is speaking and applies their name to the meeting transcript.	Intelligent Speakers and Intelligent Cameras are not available in BYOD meeting environments, which leaves remote attendees behind by not capturing what in-person attendees said. Additionally, the lack of intelligent camera experiences also leaves remote attendees behind by not providing them equal opportunity to see active speaker tracking for those in the room.
Intelligent camera	Intelligent cameras support AI-powered active speaker tracking, multiple video streams, and people recognition to deliver equitable meeting experiences where everyone is seen. * Intelligent devices are optional, and supported with a teams rooms pro license.	
Companion devices	An optional but helpful trick for hybrid meetings is for participants in the meeting room to use personal devices to engage in the meeting with features such as chat and live reactions, and if they turn on their PC camera it can enhance their personal presence in the meeting. In rooms that don't leverage an intelligent camera, this is helpful for remote attendees to see who is in the room. In-room attendees are still free to look around and engage the room due to dynamic and inclusive layouts that keep meeting chat, content, and reactions easily visible at the front of the room.	In a Teams Room, companion devices are optional, but in BYOD environments they are mandatory. One participant must volunteer to connect their PC to the display, and others must join the meeting from their PC in order to participate as themselves in the meeting. This greatly limits in-room attendees' ability to interact in natural ways with those in the room. Their gaze is glued to their PCs to keep up with meeting content, which limits the natural interactions that in-room attendees would otherwise have with each other.

IT team benefits





The experience of your IT teams is just as critical as that of your end users when it comes to the success of your organization in a hybrid work model. The effectiveness of IT’s management and operation affects the end-user experience, as well as business costs and security posture.

The ability to scale rooms to all your space types, manage your space estate from one central location, and ensure security for your meetings and data are essential to hybrid readiness. Teams Rooms provides your IT teams the ability to do all this and more, whereas BYOD environments fail to provide any standardized or centralized mechanism for management and reporting.

Let’s take a closer look at the ways Teams Rooms IT management and reporting capabilities outperform BYOD across security, management time, cost savings, and space optimization with reporting.

Protect your meetings and data

Microsoft works with partners to deliver a secure Teams Rooms solution that doesn’t require additional actions on your part. Devices, software, and the Microsoft Cloud are secure by design as security is built in at the hardware, software, and network levels.

[Learn more about Teams Rooms security](#)

Latest innovation in security



	Teams Rooms	BYOD
Hardware security	Trusted Platform Module (TPM) 2.0 is used to encrypt the login information for the Teams Rooms resource account and is enabled by default. Secure boot is a security standard developed by the PC industry to ensure that a device boots using only software that is trusted by the Original Equipment Manufacturer (OEM) and is enabled by default. IT teams can also disable specific ports via Unified Extensible Firmware Interface (UEFI) configuration. Kernel Direct Memory Access (DMA) Protection is a Windows 10 setting that is enabled on Teams Rooms. With this feature, the OS and the system firmware protect the system against malicious and unintended DMA attacks for all DMA-capable devices. Finally, Credential Guard helps protect against credential theft.	Relying solely on BYOD for a meeting poses a risk to the security posture of your meetings and data. These devices are generally unmonitored and can be compromised by someone loading malicious software, causing not only damage to employee’s personal devices, but increased risk of data/ IP disclosure/being stolen. Organizations must look for ways to secure any USB connection that is made to an end-user device or a dedicated device deployed in the room.
Software security	Automatic updates keep room systems in a default secure state. Secure Teams Rooms app with lockdown policies to limit sign-in vulnerabilities. With Teams Rooms, limit the application entry points exposed to the user with assigned Access feature in Windows 10.	BYOD approaches don’t have any built-in security, and certainly not multi-level security like Teams Rooms does throughout all layers of the solution. Relying on PCs to power the meeting also poses a privacy risk to personal data.
Cloud/network security	Windows Configuration Designer can be used to create Windows 10 provisioning packages. Along with changing the local Admin password, IT teams can change the machine name, join the device to Azure Active Directory, and enroll the device to Microsoft Endpoint Manager.	



Save time and money on operations

IT teams can stay ahead of disruptions by receiving alerts when a component isn't working, along with a notification about the needed action. That reduces downtime and makes your IT team more efficient. The Teams Admin Center provides one place for managing everything in Teams. Administrators can look at a specific device's health status, adjust settings for one or more devices, and schedule or perform tasks such as device restarts.

[Learn more about Teams Rooms management](#)

Easy monitoring and automatic alerts



	Teams Rooms	BYOD
Active room health monitoring and alerts	<p>Teams Rooms admin center has active monitoring and diagnosis for room issues. It can:</p> <ul style="list-style-type: none"> • Inspect health status, including connected peripherals • Configure health impact of peripherals • Automatic alerts when devices go offline • Inspect call quality for all meetings <p>These capabilities reduce time spent on physical room sweeps. There's less time spent troubleshooting and remediating because active room monitoring provides an alert when a room is offline. It also defines the necessary actions and categorizes them as critical, non-urgent, or offline to help your admin teams take action quickly.</p>	<p>BYOD set-ups lack any centralized management, which means no central reporting for peripherals, limited signals when a device goes down, and no indication of needed actions. The lack of a central location to monitor BYOD device health and manage driver updates relies on end-user issue reporting and can lead to end-user dissatisfaction and less reliable systems overall. This leads to diagnoses and fixes that are more expensive because it requires an on-site IT presence. Having to troubleshoot and remediate offline rooms can lead to IT losing time and money. It can also result in hidden costs associated with losing employees' valuable time as they scramble to find a functioning room.</p>

More efficient, with secure automatic updates



	Teams Rooms	BYOD
Automatic updates	Teams Rooms connects to Windows Update to retrieve operating system updates and peripheral device firmware updates. It also connects to the Microsoft Store to retrieve application updates. Keeping rooms up-to-date is critical to ensuring devices have the latest features, security coverage, and performance.	<p>A big challenge with BYOD comes in getting visual and audio data rendered and displayed across the vast number of personal and company-owned devices.</p> <p>Each user may need device driver software installed on their laptop to enable all the features of the camera or mic, which can also be a security vulnerability when connecting to in-room devices.</p> <p>A mind-numbing array of hardware and software working with both new and old systems and programs creates compatibility challenges IT personnel face every day.</p>



Optimize your spaces with rich reporting

Teams Rooms helps you maximize your workspaces with the ability to scale to any size or type of room. Teams Rooms also provides usage analytics, inventory management, and device procurement to help your IT teams be more agile in making decisions to support dynamic needs.

Array of devices and analytics

	Teams Rooms	BYOD
Devices for any size and any budget	<p>Teams Rooms offers an array of devices to meet each organization's and meeting space's requirements. These devices encompass a variety of form factors:</p> <ul style="list-style-type: none"> • Modular—Consisting of a center-of-room touch panel control—so people can manage the meeting without leaving their seats—compute, and AV peripherals like speakers, mics, and cameras. Modular systems provide unparalleled capability to scale to any room size. • Integrated—These solutions bring the speakers, mics, camera, and compute together into a single device that can be deployed within minutes, reducing installation costs and simplifying device management and troubleshooting. Just like modular devices, integrated devices also deliver a native Teams experience on Microsoft-certified third-party hardware. • Ideation Boards—Real-time collaboration is made simple in every meeting and for every attendee through touch-enabled display solutions for Teams Rooms. Surface Hub 2S, Neat Board, and Yealink Meeting Board combine audio, video, touch display, and compute for a complete meeting and collaboration solution for remote and in-room attendees, across the same digital canvas. 	<p>With BYOD, the meeting is run by an attendee's personal computer. A PC is built and designed to pick up the audio and video of a single person using the computer. Personal computers are not designed to pick up audio and work across spaces, from small focus rooms to large meeting rooms.</p> <p>In BYOD environments, there is no standardization to scale all the various device types to work reliably and smoothly in all space types.</p>
Device activity and call quality	<p>With call quality analytics, IT teams can identify root causes and recurring issues to stay ahead of disruption. IT teams can review call quality and activity for Teams devices and check availability of call quality data and diagnostic capabilities to identify potential meeting quality issues</p>	<p>Any meeting data is only specific to the PC and does not report on the room experience, or the specific room location or identity. No device activity or meeting quality reporting is available.</p>


Robust device management capabilities



	Teams Rooms	BYOD
Device and inventory management	<p>Teams admin center tracks and manages device inventory, creates and assigns configuration profiles, organizes views and tags devices, allows easy lookup through flexible search and filters, performs scheduled tasks like software updates, and performs bulk actions such as device settings application.</p> <p>This allows for a scaled management operation to ensure devices are always up to date and ready for use.</p>	<p>With no central reporting tool, device and inventory management is manual and requires IT teams to keep offline logs of devices in use. This also requires IT teams to take on the burden of researching each individual device’s necessary firmware updates and apply them.</p>
Device procurement	<p>The device store in the Teams admin center lets IT teams browse, purchase, and provision devices certified for Microsoft Teams. Expanding meeting rooms is easy, and IT can track its purchase history to understand how to pivot to fit your organization’s needs.</p>	<p>No central admin center for BYOD means no central procurement portal to expand easily. If your organization needs to start with BYOD and scale investment over time, the best way to do this is to procure peripherals certified for Teams. You can find these here: Microsoft Teams Rooms Accessories and Add-Ons Teams devices</p>

The leading hybrid meeting solution





At Microsoft, our guiding principles are that everyone in a meeting feels included, represented, and productive, and connections feel natural and immersive. To bring these principles to life, Teams Rooms ensures that remote participants establish a genuine presence in the room, in-room participants retain their identity in the meeting, and all meeting participants collaborate without boundaries.

While BYOD set-ups may appear to be cost-effective, they will not equip your organization to be dynamic and inclusive nor foster productivity and strong team connections. BYOD experiences can cause frustration for a global workforce with a clear preference for remote and hybrid work among end users and IT teams.

Teams Rooms ecosystem partners offer many options for enhancing rooms, one device at a time. While Teams Rooms and certified devices can drastically improve the hybrid experience, doing so across your entire portfolio at one time can be costly. We recommend a phased approach for existing rooms with fully upgrading rooms that have reached their end of life. Also, improve spaces through selective component upgrades. When you're ready to upgrade the rest of the hardware in the room, the upgraded devices can remain in use and save costs on future projects.

Learn more about [Microsoft Teams Rooms](#).

¹ [Work Trend Index: Microsoft's latest research on the ways we work](#).

² "State of the Global Video Conferencing Device Market, Forecast to 2025", Frost & Sullivan, 2021.

³ "The Total Economic Impact™ Of Microsoft Teams Devices: Cost Savings and Business Benefits Enabled by Teams Devices", a commissioned study conducted by Forrester Consulting on behalf of Microsoft, January 2021.

⁴ "Great Expectations: Making Hybrid Work Work", Microsoft, 2022.