

# LM01\_KDD012 - Teams Meeting Room device

Status	DECIDED
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**Decision:** OPTION 1: MTR on Windows (MTRoW)

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## Objective

Deploy a Microsoft Teams Room solution that is fast to implement, fully maintainable, and aligned with a longterm global standard.

reuse existing meeting room equipment when possible.

- Reliable and easytosupport setup
- Avoid exotic or non-standard hardware
- Ensure full lifecycle control (updates, security, compliance)

## Design Recommendation

Given that we have M365 E5, Intune and Logitech equipments already :

**OPTION 1** : MTR on Windows (MTRoW)

Why choose the Windows path (Dell + Rally Bar)?

1. **IT Alignment:** Your team already knows how to secure and manage Windows via Entra ID and Intune. There is no "learning curve" for a new OS (Android).
2. **Performance:** The Dell 7000 Micro provides a "future-proof" overhead for high-resolution video processing that built-in Android chips may struggle with in 2-3 years.
3. **Consistency:** In an E5 environment, the ability to push Compliance Policies and Conditional Access rules to a Windows device is much more granular than on Android.

This architecture ensures that the meeting room becomes a first-class citizen in the Microsoft 365 tenant, benefiting from the same security and monitoring tools as the rest of the IT park.

## OPTIONS

### 1. MTR on Windows (MTRoW)

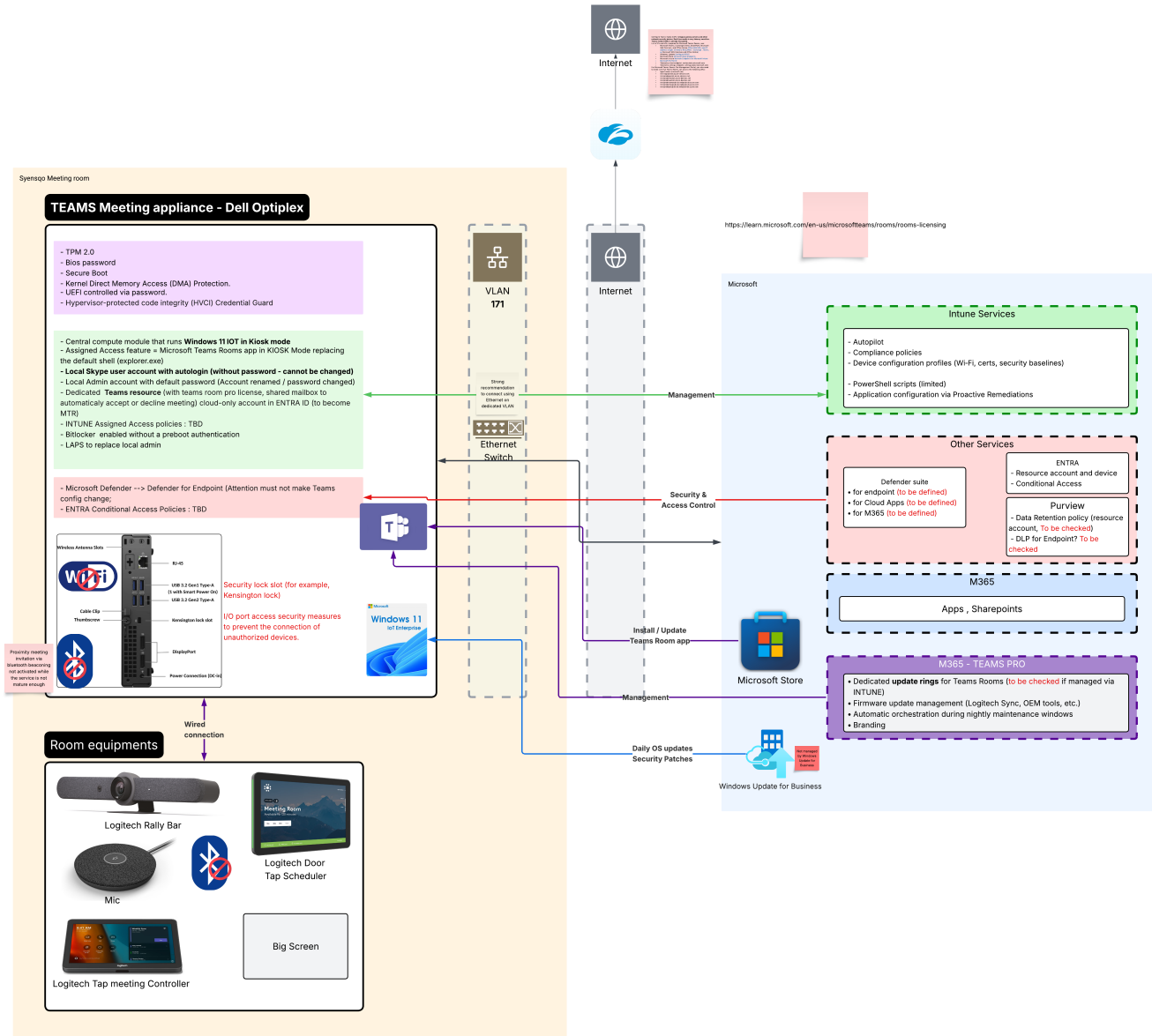
Your current path: Dell OptiPlex 7000 Micro + Logitech Rally Bar (USB Mode)

Pros (Advantages)	Cons (Disadvantages)
<b>Feature Lead:</b> Receives new Microsoft features first (e.g., advanced Front Row, multi-stream video).	<b>Higher Complexity:</b> More points of failure (PC + Camera + Console + separate cabling).
<b>Enterprise Management:</b> Fully managed via Intune like any other Windows PC. Full support for Conditional Access and Compliance Policies.	<b>Maintenance:</b> As a Windows device, it requires OS patching, antivirus, and BIOS updates.
<b>Hardware Flexibility:</b> Can support multiple cameras, external DSPs, and complex audio for large boardrooms.	<b>Setup Time:</b> Requires more manual configuration (Windows IoT image, account login).
<b>High Performance:</b> The Dell i5/i7 CPU handles 4K content and heavy multitasking better than mobile chips.	<b>Cable Management:</b> Requires a "USB-over-CAT" or long USB cables between the table and the screen.

**Scalability:** Modular design allows for independent upgrades of the PC or the Camera.

**Advanced Features:** Native support for "Intelligent Speaker" and complex multi-screen layouts.

## HLD



## 2. MTR on Android (MTRoA)

Alternative: Logitech Rally Bar in "Appliance Mode" (No PC required)

Pros (Advantages)	Cons (Disadvantages)
<b>Simplicity:</b> All-in-one design. Fewer cables, faster physical installation (Power + HDMI + Network).	<b>Feature Lag:</b> Some Microsoft features arrive 3–6 months later than on Windows.
<b>Lower TCO:</b> No separate PC to buy or maintain. Reduced power consumption.	<b>Limited Expansion:</b> Harder to add 3rd party mics or extra cameras without proprietary hubs.
<b>Stability:</b> Custom-built firmware is often more stable than a general-purpose Windows OS, with fewer background processes.	<b>Management Silo:</b> Managed primarily via the Teams Admin Center (TAC) or Logitech Sync, less so via GPO/Intune.

<b>Instant-On:</b> Faster boot times and recovery after a power outage.	<b>Interoperability:</b> Guest Join (Zoom/Webex) is supported but can be less fluid than the Windows Edge-based version.
	<b>Hardware Locked:</b> If the camera fails or becomes obsolete, the entire compute unit must usually be replaced.

### 3. Direct Comparison: MTR on Windows vs. MTR on Android

<b>Hardware</b>	Modular: Dell PC + Logitech Rally Bar	All-in-One: Integrated Bar
<b>OS Management</b>	Intune / Entra ID: Full Windows IoT	TAC / Intune: Android AOSP
<b>Feature Velocity</b>	First: Receives new features first	Delayed: 3-6 month lag typically
<b>Interoperability</b>	Superior: Direct Guest Join (Zoom/Webex)	Standard: Basic Guest Join
<b>Flexibility</b>	High: Supports custom DSP & multi-cam	Limited: Closed hardware ecosystem
<b>Ease of Deployment</b>	Low/Medium	High
<b>Ease of Management</b>	High (Standardized)	Medium (Siloed)
<b>Scalability</b>	High (Modular)	Medium (Fixed)
<b>User Experience</b>	Premium (Full Features)	Standard

Version	Published	Changed By	Comment
<b>CURRENT (v. 6)</b>	<b>Apr 20, 2026 09:47</b>	<b>TRIFFAUX, Eric</b>	
v. 5	Mar 30, 2026 11:41	CHUDZIAK-ext, Aleksander	
v. 4	Mar 30, 2026 11:11	TRIFFAUX, Eric	
v. 3	Mar 27, 2026 17:51	TRIFFAUX, Eric	
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