

LM01_KDD012 - Teams Meeting Room device

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

Decision made by: ievgen.bezkorovainyi-ext@syensqo.com ; [STINCHCOMBE, Sam](#) ; paul.anton@syensqo.com; [TRIFFAUX, Eric](#)

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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)

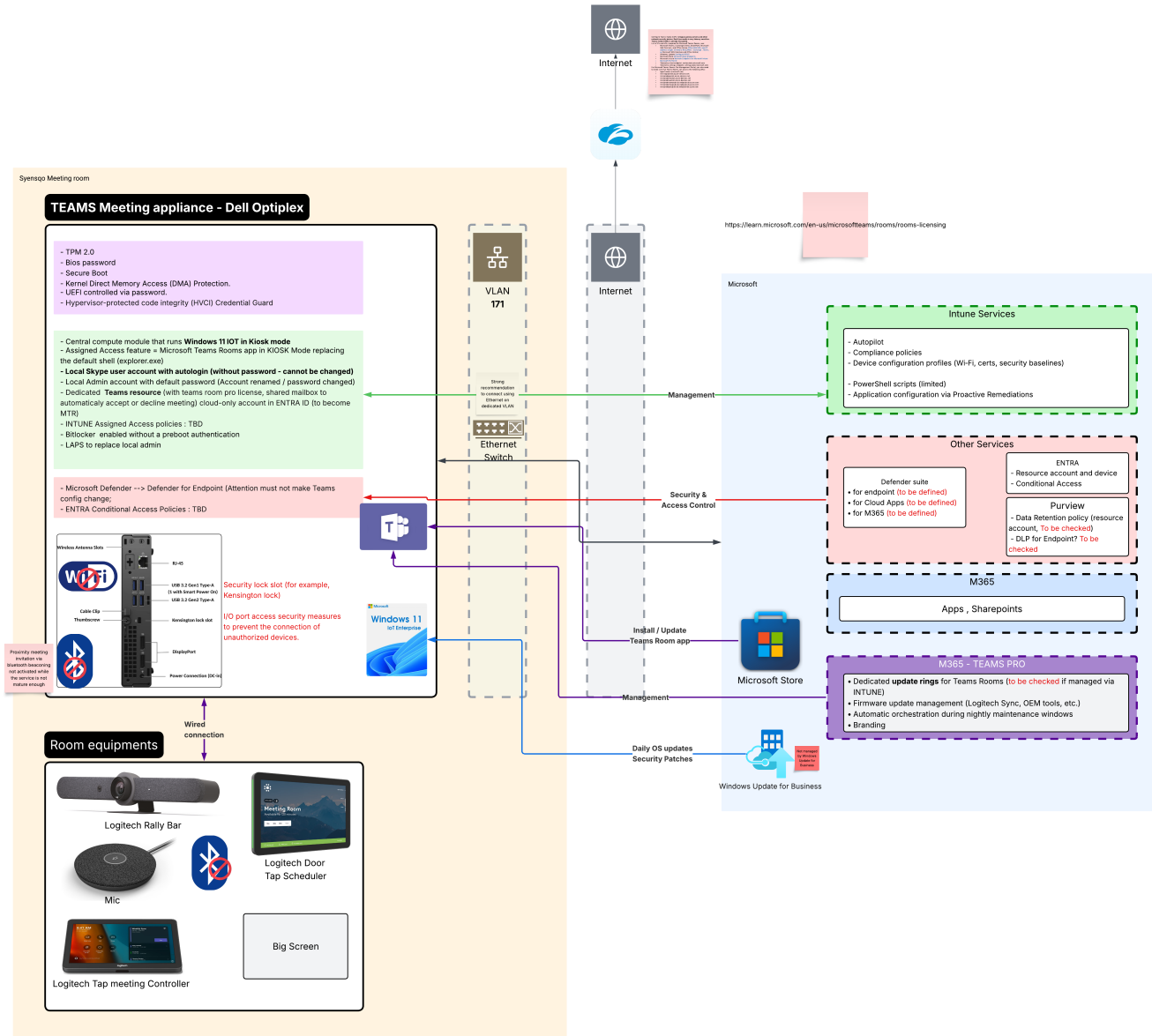
Your current path: Dell OptiPlex 7000 Micro + Logitech Rally Bar (USB Mode)

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

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2. MTR on Android (MTRoA)

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

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

Instant-On: Faster boot times and recovery after a power outage.	Interoperability: Guest Join (Zoom/Webex) is supported but can be less fluid than the Windows Edge-based version.
	Hardware Locked: 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

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

Version	Published	Changed By	Comment
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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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