

Office 2.0

Returning To Work During and Post-COVID

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PANDUIT[™]















**The new
normal?**

Office 2.0

Return of the Office? – YES!

- Maintain corporate culture
- Attract and retain talent
- Sense of community
- More productive (some)
- Collaboration
- Hallway conversation

<p>Younger generations are less productive at home</p>	<p>42% of local respondents want a flexible work option of working from home and the office after the pandemic</p>	<p>Work From Home lifestyle was well-received by employees, at least by 64%</p> <ul style="list-style-type: none"> • Gen-X employees : 72 % • Gen-Y : 71 % • Gen-Z : 64 % • Baby Boomers : 66 % 	<p>40% of respondents said they lacked the equipment at home that would allow them to work from home.</p>
<p>KEY FINDING #2 : Work From Home Experiences Differ Across Generations Gensler Research Institute. 2020, USA</p>	<p>2 in 5 in Singapore wants flexibility to work from home and the office after the pandemic: Randstad Workmonitor. 18/02/2021</p>	<p>Study: WFH may remain post-Covid-19, April 2, 2021 New Straits Times, Malaysia</p>	<p>Poll : Work from home popular, reduces Covid-19, helps gov't May 16, 2021 thethaiger.com, Thailand</p>

Office 2.0

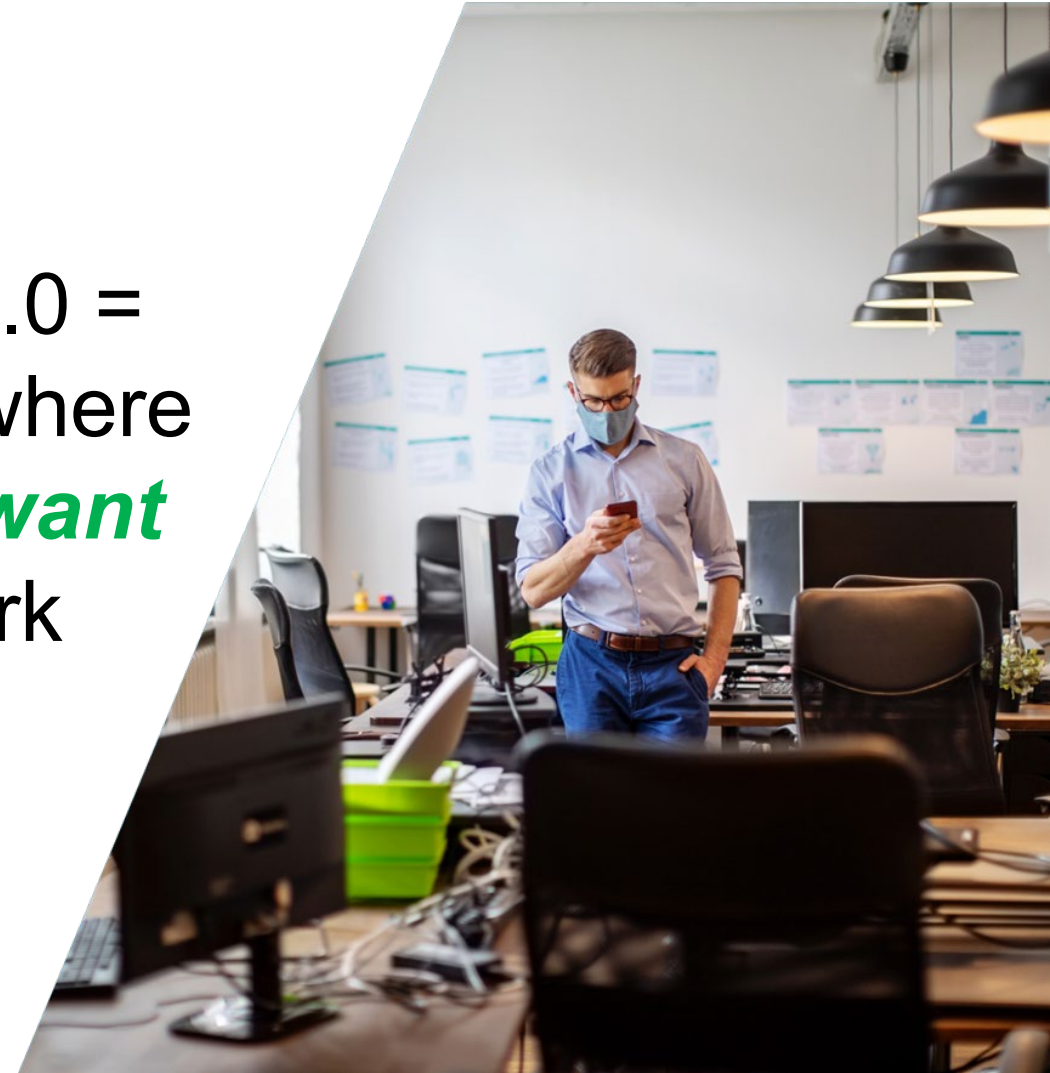
What is Office 2.0?

COVID-19 has
profoundly altered how
and where we work

The purpose of the HQ
is being redefined

Employee preferences
differ from person to
person

Office 2.0 =
A place where
people *want*
to work



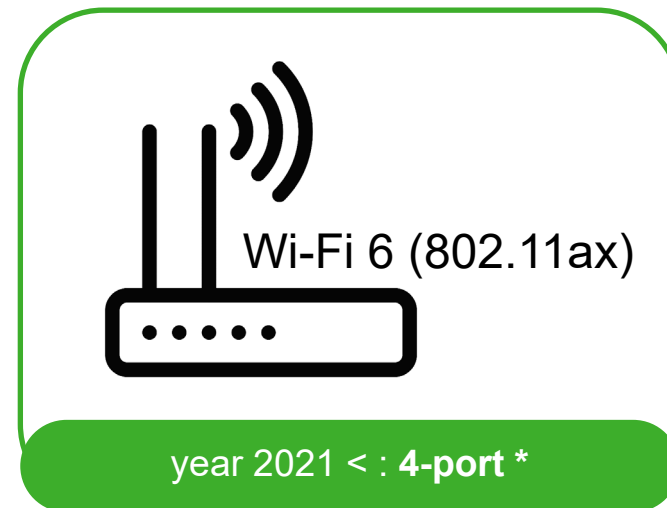
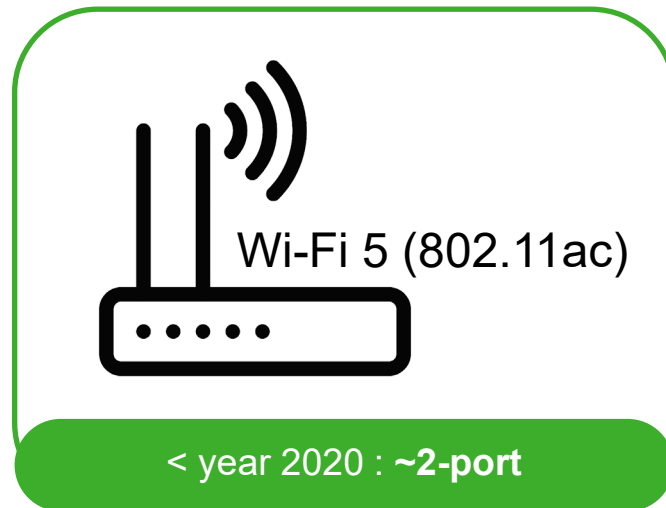
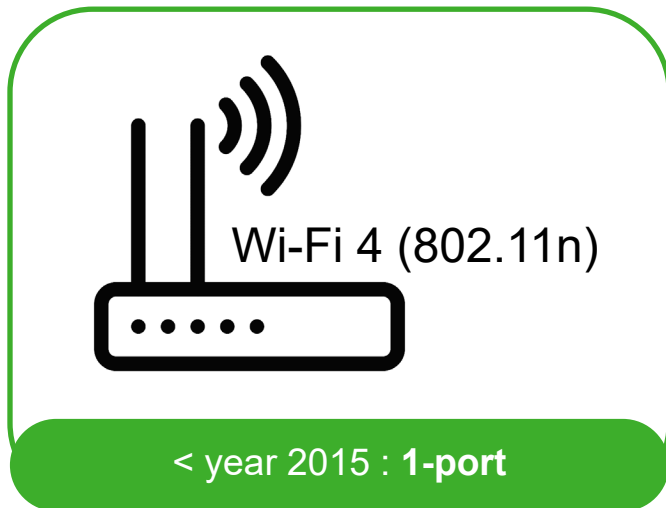
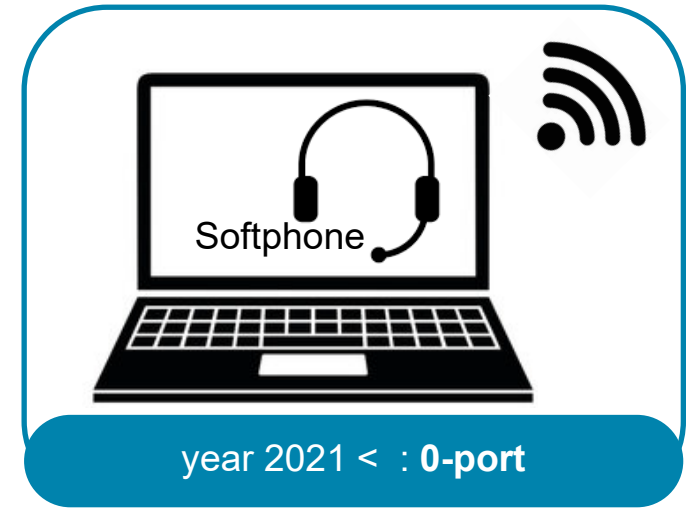
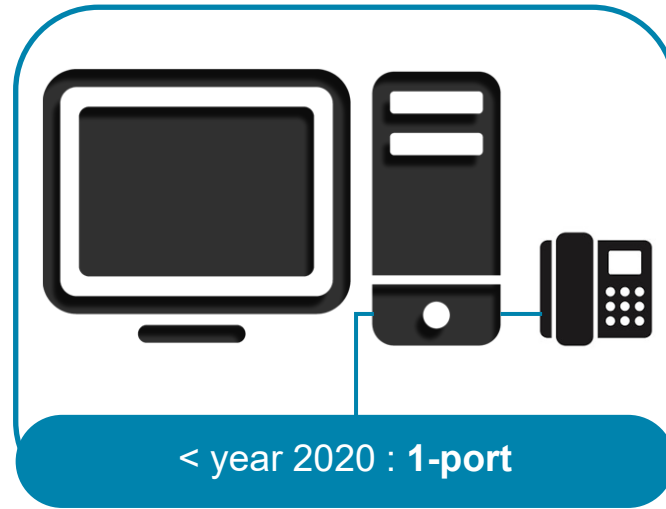
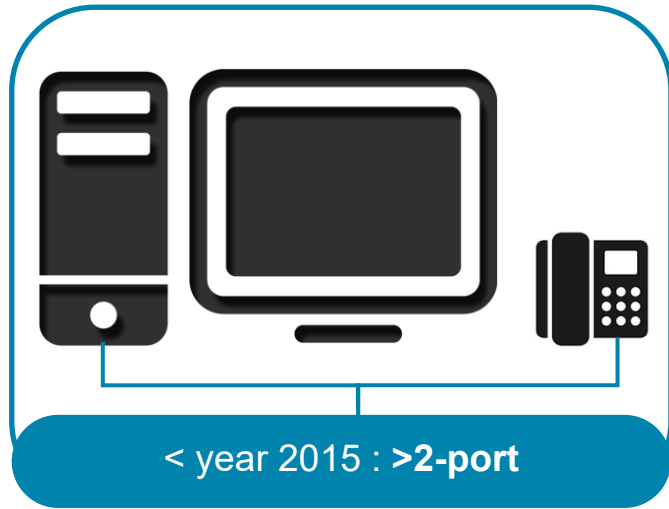
Office 2.0

Impacts to Technology

- MORE reliance on wireless (WiFi and Cellular)
- Requirement for flexible network design and robust hybrid IT strategy
- Preference towards touchless/low-touch for AV, access control, elevators, vending
- Increased focus on intelligent buildings
- Catalyst for edge compute
- Adoption of room scheduling technologies
- Improved collaboration spaces and technology tools

Office 2.0

Consolidation of 'points' ?



- Temperature
 - Occupancy
 - Noise
 - Light
 - Li-Fi
- * Sensors & Etc

Infrastructure Solutions for Office 2.0

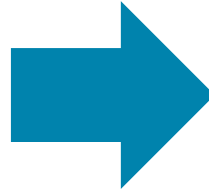
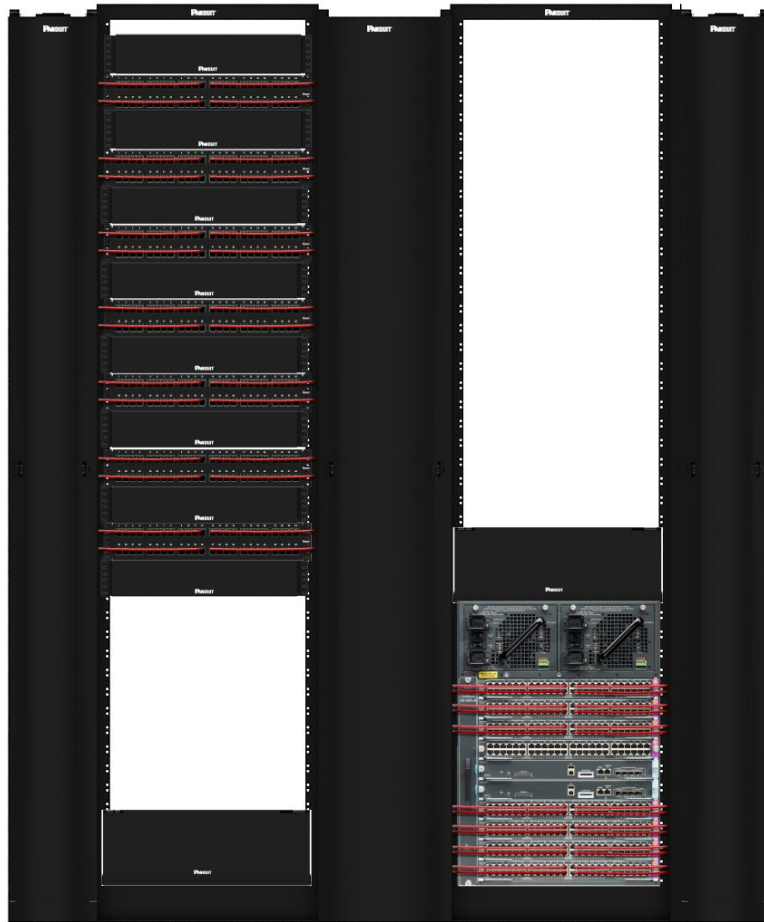


Best Practices

1. Optimize the Telecommunication Room to accommodate as much as possible
2. Design a zone network topology for flexibility
3. Assess your wireless (WiFi and cellular) networks to ensure coverage and capacity for a mobile workforce
4. Make connections easy for quick installation and MACs
5. Upgrade your network to ensure bandwidth needs are met
6. Invest in Audio/Video collaboration and room scheduling technology
7. Design for the future

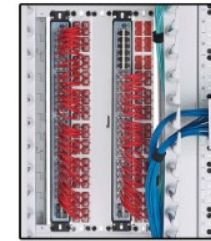
Best Practices

1. Optimize the Telecommunication Room to accommodate as much as possible



High-Density solution

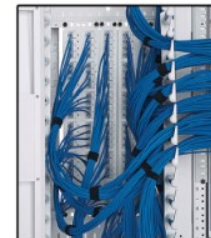
- Increased Capacity
- Zero RU Patching
- One-to-one Patching
- 28 AWG Patch Cords
- High-Density Patch-Panels



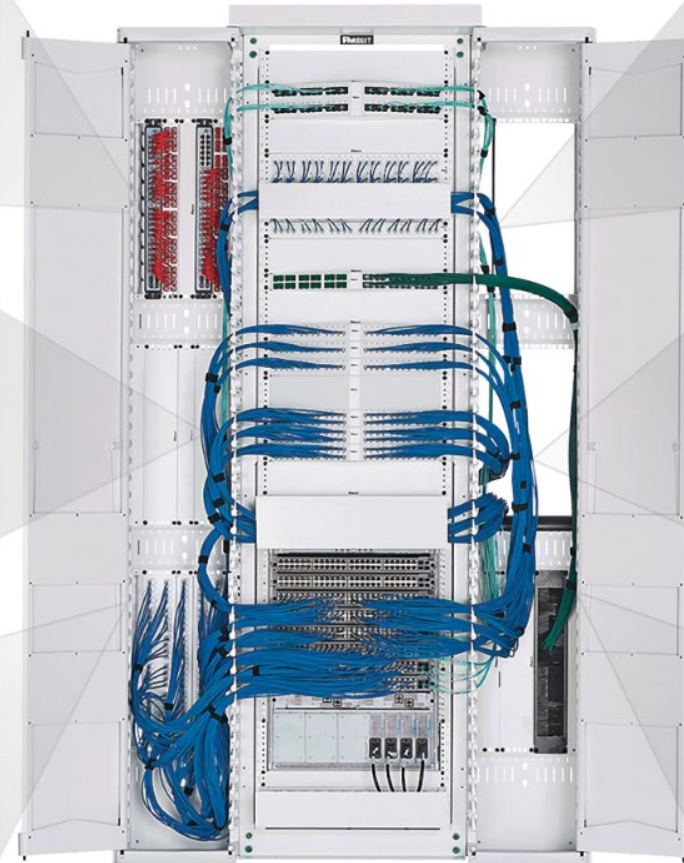
Direct Switch Patching with 8-Inch Patch Cords



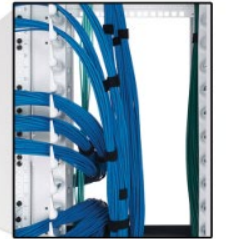
Blanking Panels



Vertical Patching



Various Accessories Such as Strain Relief Bars



Bend Radius Control Clips

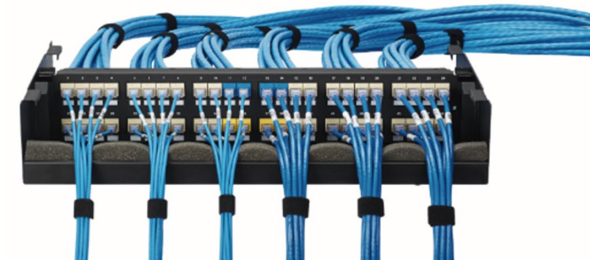
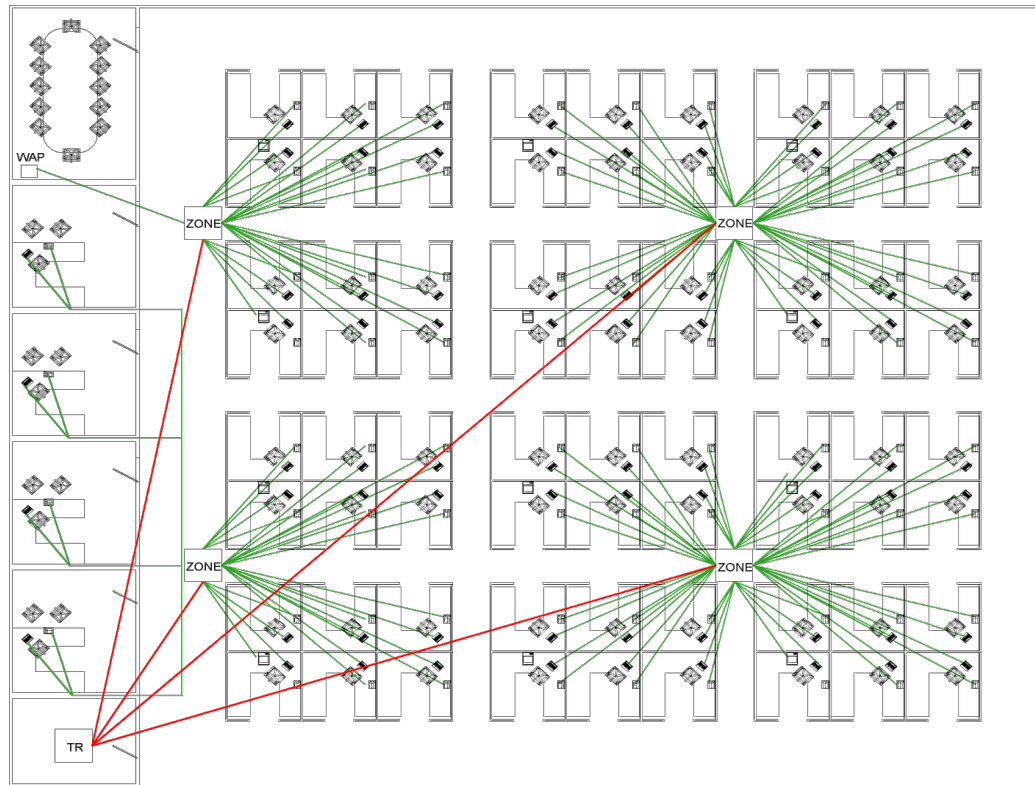


Brush-Panel Pass Through Devices

Best Practices

2. Design a zone network topology for flexibility

Zone Cabling Topology



Consolidation Point Boxes



12 RU

18 RU

26 RU

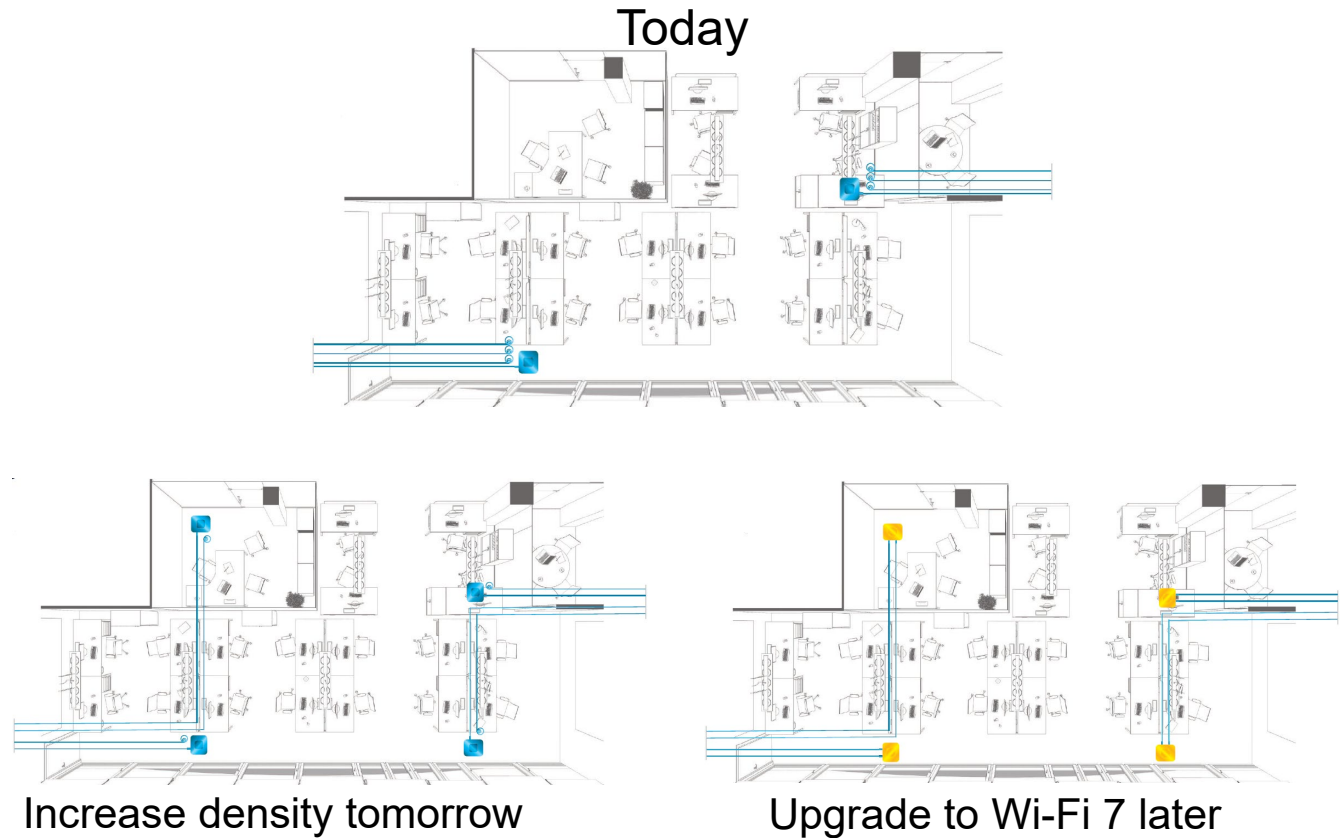
3 RU

Wall Mount Enclosures

Best Practices

3. Assess your wireless (WiFi and cellular) networks to ensure coverage and capacity for a mobile workforce

- Design a cable plant for Wi-Fi 6 and beyond to maximize ROI
- Recommend **four** Category 6A cables per access point today to support **increased density and speeds beyond 10Gbps**

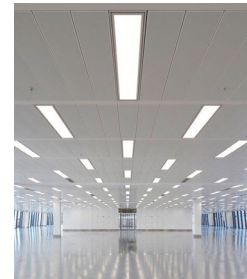


Best Practices

4. Make connections easy for quick installation and MACs

Typical Devices Connected

- Wireless Access Points
- Security Cameras
- Sensors
- Health scanners
- Access Modules
- PoE Lighting
- Digital Displays
- and many more...



Field Termination Plug

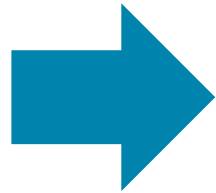


RJ45 Coupler

Best Practices

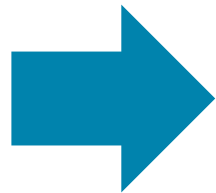
5. Upgrade your network to ensure bandwidth needs are met

1Gbps Copper
Cat5e / 6



2.5G / 5G / 10G Network
Cat 6 / 6A

10Gbase-T Fiber
OM3, Singlemode

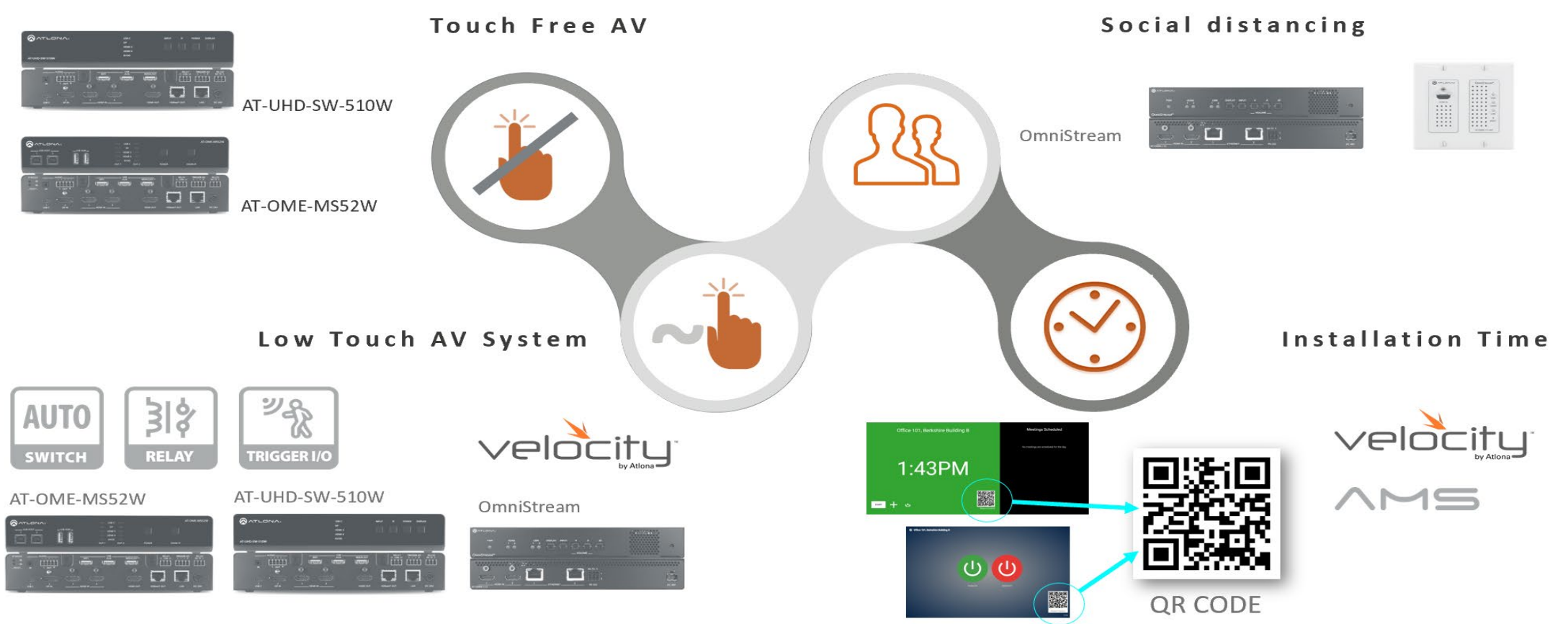


40G / 100G / 400G Network
OM4/5, Singlemode



Best Practices

6. Invest in Audio/Video collaboration and room scheduling technology



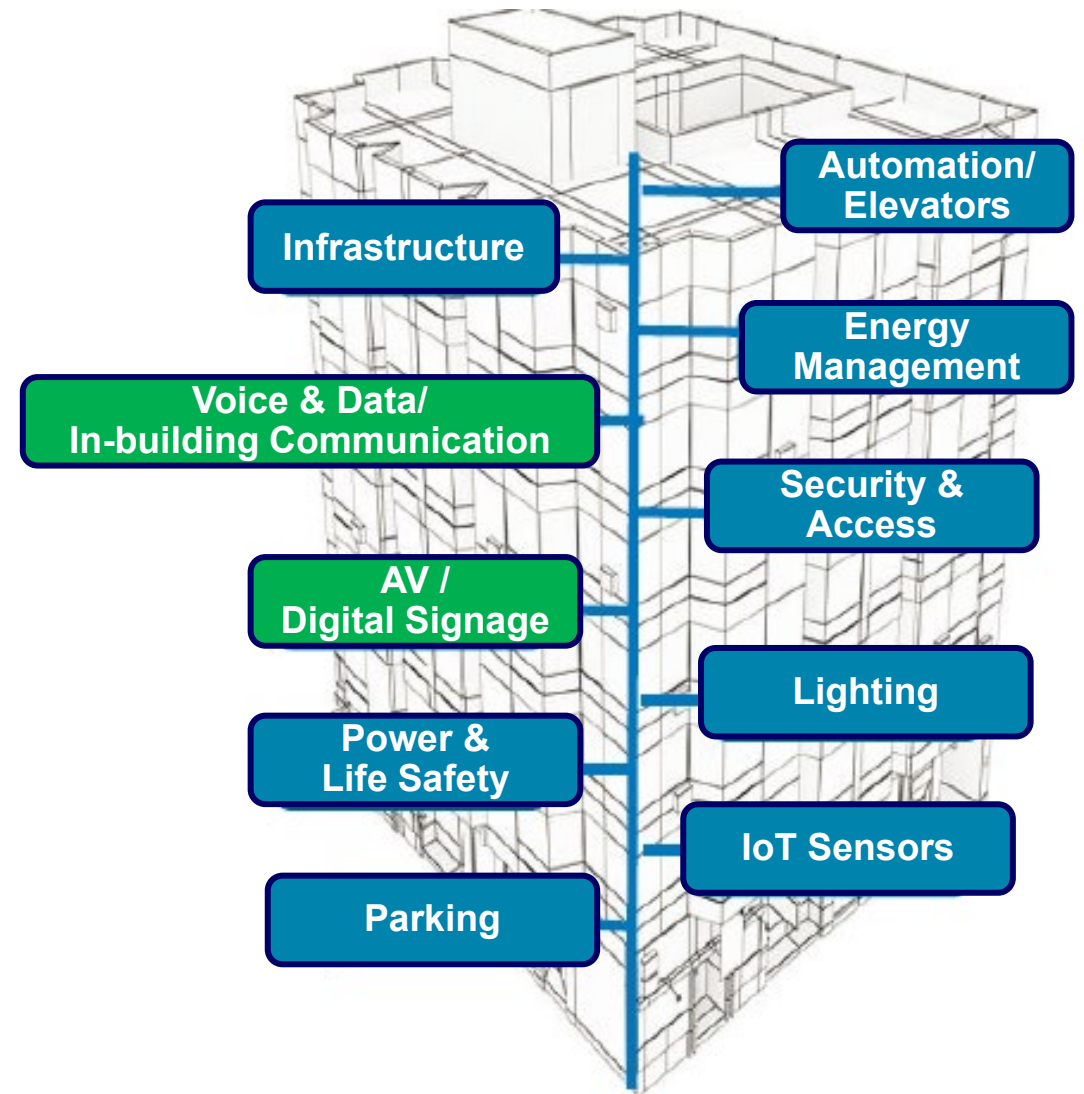
Best Practices

7. Design for the future

The transition to Digital Building

We're not there yet!

- A/V and voice/data are nearly 100% Ethernet
- Security and lighting are headed that direction
- The rest of the building systems are lagging, in terms of installed base



Single Pair Ethernet - Your Last Fieldbus

Future-proof your network... Reduce cost of future upgrades



- Screened/Foiled 18 AWG cable
- Meets SPE balance requirements
- Backwards compatible to Profibus, Modbus, and other RS-485 fieldbuses
- Additional Infrastructure:
 - M8 A-Code connector based on pending Ethernet-APL Standard for Process Automation
 - Type 1 IEC 63171-1 Field Term connector for structured cabling joints

**Maximize client ROI by installing SPE cable
for today's RS-485 serial controls installations**



Questions ?