

# Is Your Network a Fast Driveway Leading to a Slow Road?

Wireless technology is leaping forward with **Wi-Fi 6 (802.11ax)** and **Wi-Fi 6E**. While these standards promise massive throughput and tighter security, simply swapping out your Access Points (APs) might not give you the results you expect. In fact, without the right prep, your brand-new hardware could be throttled by legacy tech.


## Wi-Fi 6 vs. 6E


Knowing which path to take is the first step in your upgrade strategy:


FEATURE	WI-FI 6	WI-FI 6E
<b>Compatibility</b>	Backwards compatible with older devices.	<b>Not</b> backwards compatible (Clean slate).
<b>Frequency</b>	Uses 2.5GHz and 5GHz bands.	Unlocks the <b>6GHz</b> spectrum.
<b>Key Benefit</b>	Enhanced security and better throughput.	Zero interference & ultra- high bandwidth.
<b>The Catch</b>	Legacy devices can slow down the whole AP.	Requires entirely new device hardware.

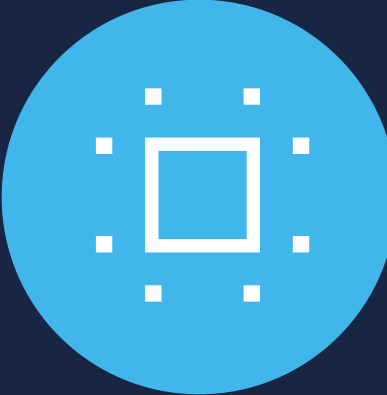
## 4 Questions for Your Infrastructure

Before you mount those new APs, ensure your "under-the-hood" infrastructure can keep up. Ask your team these four questions:

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**Can your switches keep up?**  
Do your access switches support multi-Gigabit (2.5Gbps+) ports to handle the new surge in data?
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**Is your backbone strong enough?**  
Is the link between your access and core layers wide enough to prevent a massive bottleneck?
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**Is your wiring outdated?**  
To reliably hit these speeds, you need a minimum of Cat6 copper cabling.
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**Is your device fleet ready?**  
Do your users actually have 802.11ax-compatible devices to justify the jump to 6GHz?

