

Invisible Wi-Fi | Visible Impact: How RUCKUS Delivered Seamless Connectivity at Tai Kwun

Tai Kwun, Hong Kong's flagship heritage and arts centre, is a living testament to the city's rich history. Spanning 27,000 square meters, it features 16 revitalized heritage buildings alongside modern spaces that host exhibitions, performances, and events.

Faced with outdated wireless infrastructure, Tai Kwun partnered with RUCKUS to deliver a Wi-Fi 6E network that enhanced connectivity for visitors while safeguarding the site's historical integrity. By integrating BeamFlex®, ChannelFly®, and Auto Power Transmission, RUCKUS provided invisible Wi-Fi with visible impact, ensuring seamless digital engagement without compromising its architectural legacy.



Customer
Tai Kwun

Location
Hong Kong

Challenges: Connecting History to the Future

- **Protecting Heritage Integrity**

Preserving Tai Kwun's cultural and architectural authenticity posed unique challenges. The thick stone and concrete walls of its historic buildings obstructed Wi-Fi signals, while strict preservation rules limited structural modifications.

- **Enhancing the Visitor Experience**

Visitors increasingly rely on fast, reliable Wi-Fi to share photos, stream videos, and engage with exhibits. However, Tai Kwun's outdated network created dead zones, frequent disruptions, and slow speeds, frustrating users and limiting engagement.

- **Managing High-Density Traffic**

With thousands of daily visitors and large crowds during events, Tai Kwun's existing network couldn't handle high-density traffic, leading to bottlenecks and poor performance during peak hours.

Results: Invisible Wi-Fi, Visible Impact

• Seamless Visitor Experience and Global Reach

Visitors now enjoy fast, reliable Wi-Fi across Tai Kwun, allowing them to:

- Instantly share photos and videos on social media, amplifying the site's global visibility.
- Stream live events and interact with exhibits seamlessly.

This enhanced connectivity has elevated Tai Kwun's reputation as a world-class destination, empowering influencers and Key Opinion Leaders (KOLs) to promote its cultural significance globally.

• Comprehensive Connectivity Across the Site

The new Wi-Fi system provides consistent, uninterrupted coverage throughout Tai Kwun:

- Indoor spaces with thick walls, previously unreachable, now have strong connectivity.
- Outdoor courtyards and open areas are fully covered, ensuring visitors stay connected wherever they are.

This site-wide connectivity ensures Tai Kwun's digital offerings are readily accessible to all.

• Operational Efficiency and Security

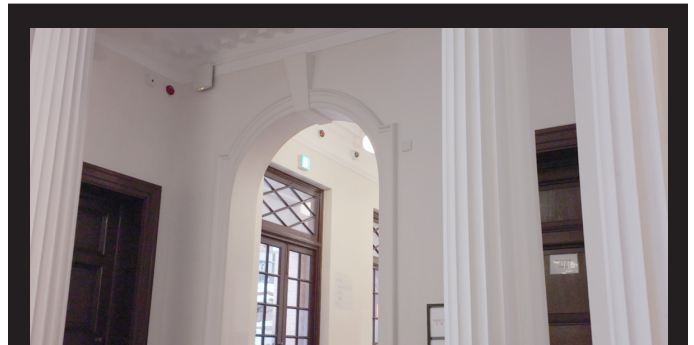
Stable connectivity has transformed Tai Kwun's operations:

- IoT devices and communication tools work seamlessly, improving workflows and staff efficiency.
- Enhanced systems ensure uninterrupted monitoring and management, creating a safer environment for visitors and staff alike.

This operational reliability allows Tai Kwun's team to focus on delivering exceptional cultural experiences without worrying about network disruptions.

Conclusion

Through **invisible Wi-Fi and visible impact**, RUCKUS transformed Tai Kwun into a digitally connected cultural hub while preserving its historical integrity. The tailored Wi-Fi 6E solution has set a new standard for cultural landmarks, ensuring Tai Kwun continues to connect people to art, culture, and history for generations to come.



Balancing Heritage with Digital Innovation

Tai Kwun's Wi-Fi 6E network achieves the perfect balance between modern connectivity and heritage preservation. By integrating advanced RUCKUS technologies—BeamFlex® for strong signals, ChannelFly® for interference avoidance, and Auto Power Transmission for optimized coverage—the network blends invisibly into the site's architecture with no structural modifications required.

This future-ready solution ensures Tai Kwun can adapt to emerging technologies and growing visitor demands while safeguarding its cultural legacy. Informational panels throughout the site highlight how technology enhances the visitor experience while preserving history.

www.ruckusnetworks.com

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