Anywhere
INTELLIGENT CONNECTIVITY

Wireless vs. Wired Fibre
Network Infrastructure

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Recent advances in wireless products have challenged the norm of optical fibre as the standard backbone for IT network infrastructure. Wireless network deployment saves time and money in comparison to fibre installations and provides connectivity in settings where fibre is not feasible or possible.

Time Saving

Up to **80% of installation time is reduced when deploying wireless infrastructure** compared to a fibre optic network installation. Wireless installations simplify and speed up project execution, bypassing trenching, and other civil work needed. This allows for installations to be done instantaneously on demand while causing no disruption to the surrounding environment. Simplified civil work procedures and minimal manual labour make it possible to dramatically reduce the duration of wireless network deployments from a month to a week or even days instead.

Cost Saving

Going wireless also provides huge cost savings. The **break-even distance on whether to go wireless or fibre is as short as 100 meters/110 yards**. That is, the pure cost of installing a fibre cable makes it the costliest alternative for any link longer than 100 meters/110 yards. The cost dramatically increases with the complexity of city civil works when trenching permits, road closures and traffic redirection increase the total costs to break-even to 10 meters/11 yards.

To use a single Point-to-point (PtP) link configuration as an example, the distance between two connecting points of 1 km the cost-saving is more than 50%. If the distance is doubled to 2 km, the saving of deploying a wireless network is as much as 80% compared to conventional fibre.

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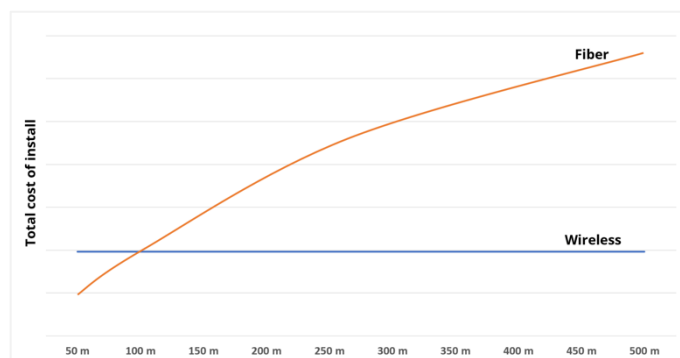
Simple Design

Early wireless network products available in the market required highly trained technicians that understood technical terminology and principles to design, install, and configure a wireless network effectively. To enable a wider opportunity to modern-day installers, Anywhere Networks have made available an assortment of hands-on training classes, video content, and design tools to help any network developer to successfully design and set up a wireless network confidently in just a couple of hours.

High Bandwidth

To maintain high security and smooth operations, a steady, jitter-free channel of high data throughput with low latency is critical for many enterprise-grade systems. High-security video surveillance systems with hundreds of high-resolution video streams transmitting simultaneously providing critical control over PTZ cameras are common application challenges today.

At Anywhere Networks, we designed our products specifically for video surveillance to fulfil the industry's highest demands. Our wireless products can deliver up to 1,000 Mbps over distances of up to 24 km in a single Point-to-Point (PtP) link. To secure the highest quality performance, Anywhere Networks products are also capable of forming a load-balancing web of connectivity, a Mesh network, for more redundancy, load balancing, and automatic rerouting. Our Smart Wireless Mesh networks can cover hundreds of kilometres while still maintains a jitter-free, stable data rate of 500 Mbps or higher without adding more than a few milliseconds of latency.

Maximum Cybersecurity

Cybersecurity is a serious matter for all products designed for professional use, but it can only be achieved if the whole infrastructure considers it. To ensure data privacy, all data traffic in Anywhere Networks' Smart Wireless Mesh is encrypted using AES-256 throughout the entire network. The data is fully encrypted from its entry-point to the drop-off point for maximum cybersecurity wherever needed, whenever wanted.

No Licensing

The practice for many wireless infrastructure vendors requires users to unlock additional features such as higher data throughput and advanced security with additional licensing fees after purchasing the products. To uphold our customer-centric business model, all Anywhere Networks products sold contain all functions and features without any additional licenses – ready to be used with no hidden or extra cost.

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Reliability

Broken fibre, resulting in critical infrastructure failure, can have an exceptionally long inspection and maintenance times due to fibre limitation as a single transmission medium in nature. Overreliance solely on fibre poses a threat for critical system failure from fibre deterioration, heavy machinery and civil work-related accidents, and prolonged week-long system downtime can be completely avoided.

A Smart Wireless Mesh from Anywhere Networks, formed as a connected web, provides redundant paths for data to flow throughout the whole network to quickly reach its destination. To optimize the carefree experience for our clients, our built-in smart routing and auto load balancing technologies provide reliable network connectivity at all times under all circumstances.

At Anywhere Networks, our Smart Wireless Mesh is an easy-to-install wireless infrastructure solution with end-to-end security, reliable connectivity, stable data transfer, in both urban and rural environments. Our Smart Wireless Mesh is ideal for both a small-scale system of only a few connection points, up to a large-scale system with hundreds of connection points covering hundreds of kilometres. We connect your video surveillance system, network audio system, IoT devices, and just any IT system.

Conclusion

With advantages of up to 80% time and 50% cost savings, Anywhere Networks deliver a Smart Wireless Mesh solution for any demanding IT network infrastructure need combining with our ease of operation, professional services and high-quality products. By offering a cost-effective and reliable wireless network solution for fully secured high-bandwidth and long-distance network coverage, **Anywhere Networks** is the ideal choice for any professional wireless network infrastructure.

It is not just wireless – it is a Smart Wireless Mesh from Anywhere Networks!

Enquiries

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