



terragraph
certified

mmWave-enabled Smart Cities

Extend your smart city fiber with Siklu's reliable, interference-free, and high-capacity mmWave connectivity solutions and unlock a wide range of Smart City applications & new revenue streams

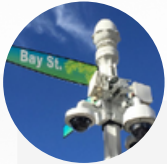
Unlock New Opportunities Cost-effectively

Cover the areas in your city that fiber cannot with a reliable, multi-gigabit mmWave connection

Building your smart city network can get quite expensive, and slow. Your fiber infrastructure isn't going to reach every location that requires a high-bandwidth reliable connection. But many of your smart city applications depend on multi-gigabit capacity: connectivity for intelligent transportation systems, Wi-Fi hotspots, public safety cameras, and broadband connections to municipal anchors like schools, hospitals, libraries, and more.

How do you serve and prioritize multiple applications with one network?

That's where Siklu's field-proven mmWave wireless solution comes in. With multi-gigabit capacity and physical immunity to interference, it can provide the performance and reliability you need for your smart city network. And the wireless radios are simple and fast to deploy, combining fiber-like performance with wireless affordability and flexibility.



Over 350 Smart Cities Served!

Did you know? Over 350 Smart City networks across the globe are built on Siklu by Ceragon

- The city of Houston deploys Siklu radios to deliver video surveillance at the Super Bowl LIVE event
- The City of Fort Myers selects Siklu's mmWave wireless for its Video Surveillance System
- Siklu links boost urban anchors capacity in the City of Arvada, Colo from 1.5Mb to 1Gb



Fast Roll-outs

A typical Siklu link takes less than an hour to install, and the typical street can be covered in days. Planning and installation is extremely fast and simple, so you can get your smart city network up as fast as you need to.



24/7 Interference-free Availability

Siklu systems operate on an abundant spectrum that is physically immune to interference, and are never affected by nearby wireless or cellular signals. That gives you predictable performance 24/7/365, just like your fiber network.



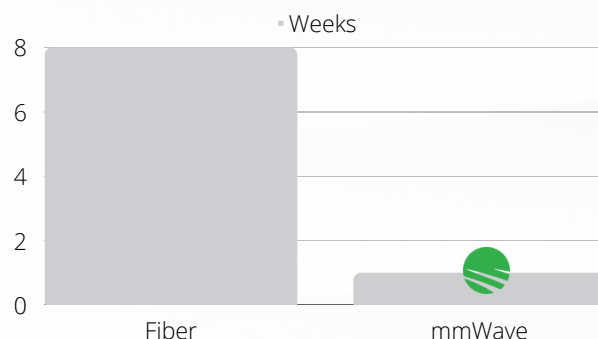
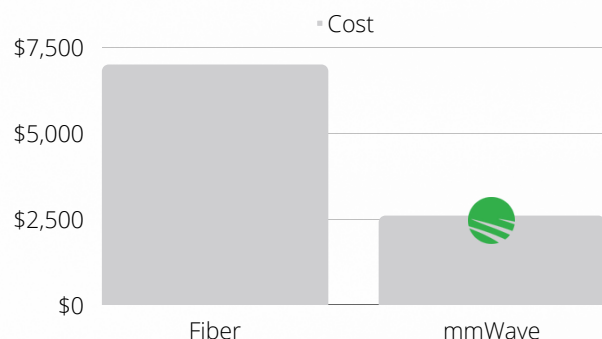
Future-ready Scalability

A Siklu network can easily handle additional services as your city gets smarter. You're not likely to run out of capacity, and you can easily scale to additional locations.

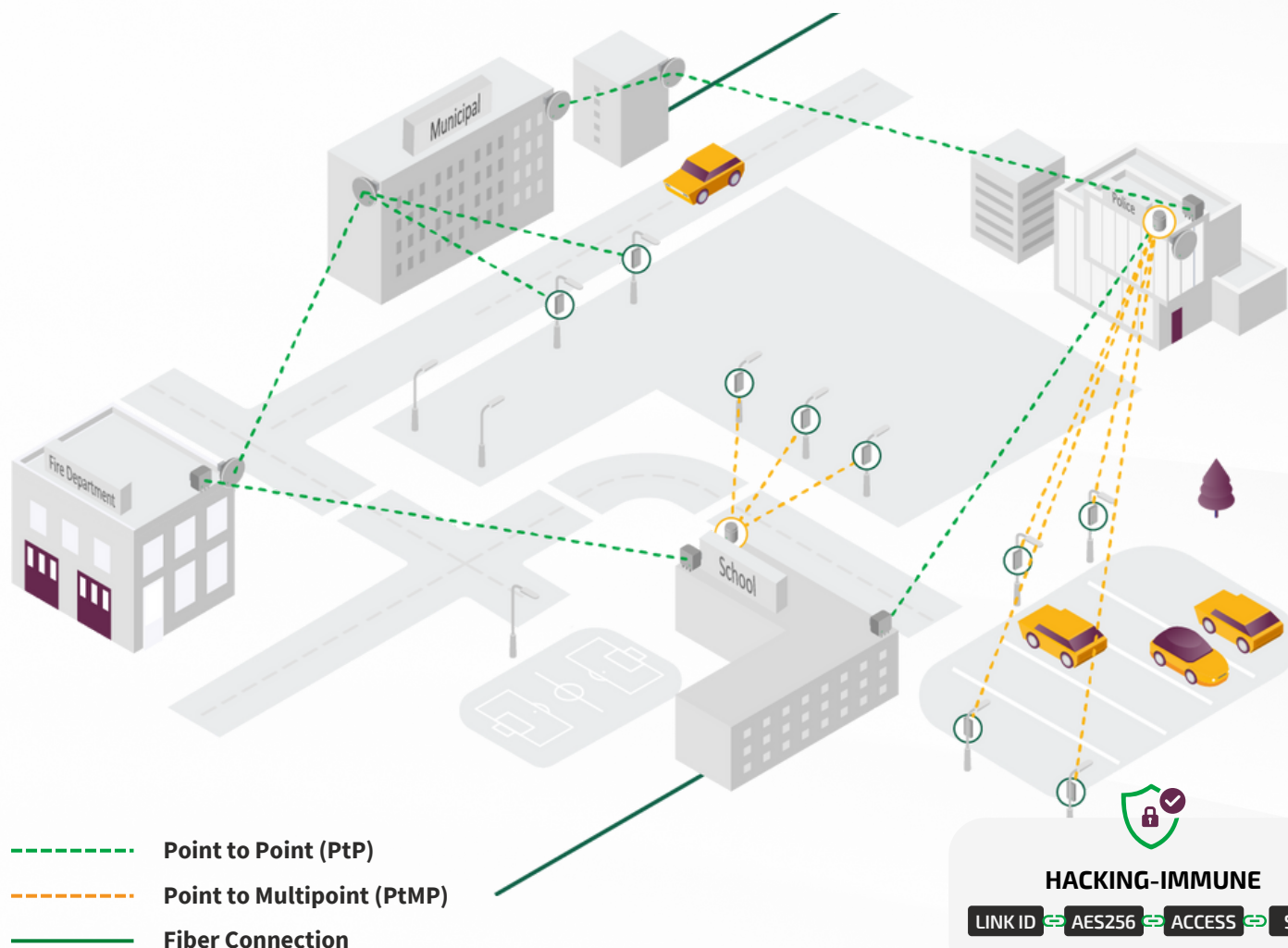


Scale quickly compared to fiber

Generating permits, boring, and restoring in order to deploy fiber is expensive and time-consuming, both indoors and outdoors. Siklu **cuts down the overall cost** and **reduces the deployment timeline from weeks to days**.



Example: A 5-camera parking lot deployment case comparing Fiber vs mmWave





Point-to-Point – Street-Level / Rooftops

EtherHaul™ Hundred Series

- License exempt 60GHz (V-Band)
- TDD capacity: 100Mbps to 1Gbps *
- Up to 14 non-overlapping full-capacity channels
- Small footprint
- ODU + 0.5ft antenna: 6.5" x 6.5" x 3.9" (16.5 x 16.5 x 10cm)



Point-to-Point – Rooftops / Towers

EtherHaul™ Kilo Series

- Lightly licensed 70/80GHz (E-Band)
- Integrated 1-click ExtendMM™* triples the distance and maintains connectivity during heavy rains
- Full-duplex capacity: 100Mbps to 10Gbps*
- Up to 32 non-overlapping channels
- Available with 0.5ft./1ft./2ft. antennas, single or dual-band (5GHz or 18GHz)



Point-to-Multipoint – Street-Level / Rooftops

MultiHaul™ Series

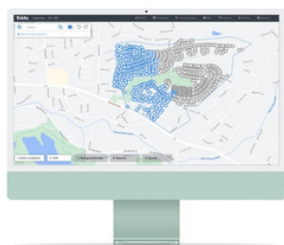
- License exempt 60GHz (V-Band)
- TDD capacity: 100Mbps to 1.8Gbps*
- 90° sector beam-forming antennas with self-alignment
- Terminal Unit with automatic and/or IP-less provisioning
- cTU, the smallest mmWave radio in the industry: 6.5 x 3.1 x 1 in. (16.5 x 8 x 2.5 cm)



L2 SDN Mesh – Street-Level / Rooftops

MultiHaul™ TG Series

- Layer 2 Software Defined NW (SDN) mesh
- Auto alignment with no setup
- Up to 3.8 / +15 Gbps TDD capacity (link / node)
- Long-range options with dish antennas



SmartHaul™
Network Operations Applications