Siklu

Supporting and Enhancing

IOT
CONNECTIVITY

IoT as a phrase was first introduced in 1999. From the beginning given the diversity of locations and IoT devices this has meant that wireless networks were and are a foundational element. For the next decade or more IoT was defined as Machine to Machine communications, was typically low power or even battery powered and consisted almost exclusively of low bandwidth/sensor applications followed by wearables in the mid 2010's. Today the IoT market is still evolving, and now we are in the third phase of IoT markets and applications: applications such as Smart Roads, Video Cameras, wide scale industrial automation, first responders and more. All of these requiring Mbps, even 10's of Mbps and where the "thing" is almost always powered. The wireless networks being designed to support this third phase are emerging and Siklu is leading the way with our complete portfolio of high performance 60, 70/80GHz - Fixed 5G systems and solutions.

Plan for today and tomorrow

When considering the right technology for your IoT needs, you must consider not only the demands of today but what will be needed 5 years from now. With Siklu's EtherHual and MultiHaul Fixed 5G platforms our solutions deliver gigabits of capacity at single digit latencies. If these multi gigabit networks do see capacity constraints in the future, it is easy to scale up the network and add more capacity as necessary.

Own your network – ensure performance

There is a great deal of chatter about using the latest cellular technology, 5G New Radio, for this next wave of IoT. For those of us who do not own spectrum, or spectrum the big chip vendors are willing to support, this can mean you have to lease capacity from an MNO resulting in massive monthly bills.

With Fixed 5G solutions, these frequencies are open to all. Any city, service provider or entrepreneur can deploy a Fixed 5G IoT network today and ensure it performs to your needs. Not only are the frequencies open, but the sheer depth and breadth of available Fixed 5G wireless systems is exploding. At Siklu we have been leading this tidal wave and now have the widest portfolio of solutions available. Build your own network, pay for it once, and relax knowing your IoT applications are not playing second fiddle to people downloading Netflix.

Secure and reliable

As the networks expand and the number of nodes connecting to the network grows exponentially, keeping these networks secure and reliable is mandatory. At Siklu we take security seriously.   In addition to the inherent secure nature of mmWave itself, Siklu solutions have security integrated at every level from the Rf link with AES encryption, to secure User Interfaces.

When it comes to reliability, Siklu products have MTBFs measured in decades. Once you deploy a Siklu mmWave network, you almost never will need to touch the radios again.

Siklu's radios are the most deployed millimeter wave systems in the world

EtherHaul™
Street Level

Up to 1Gb
Aggregated

EtherHaul™
Rooftop

Up to 10Gb
Full Duplex

MultiHaul™
Point-to-Multipoint

Plug-and-Play
Street level up to 1.8Gb
Aggregated

MultiHaul™ 366
Mesh

60GHz Gigabit

Siklu SmartHaul™ Network Software Tools