



# GIGABIT CAMPUSES

Simple, fast and cost effective wireless:  
mmWave brings gigabits to school





# Campuses and Smart Cities

## More alike than you think

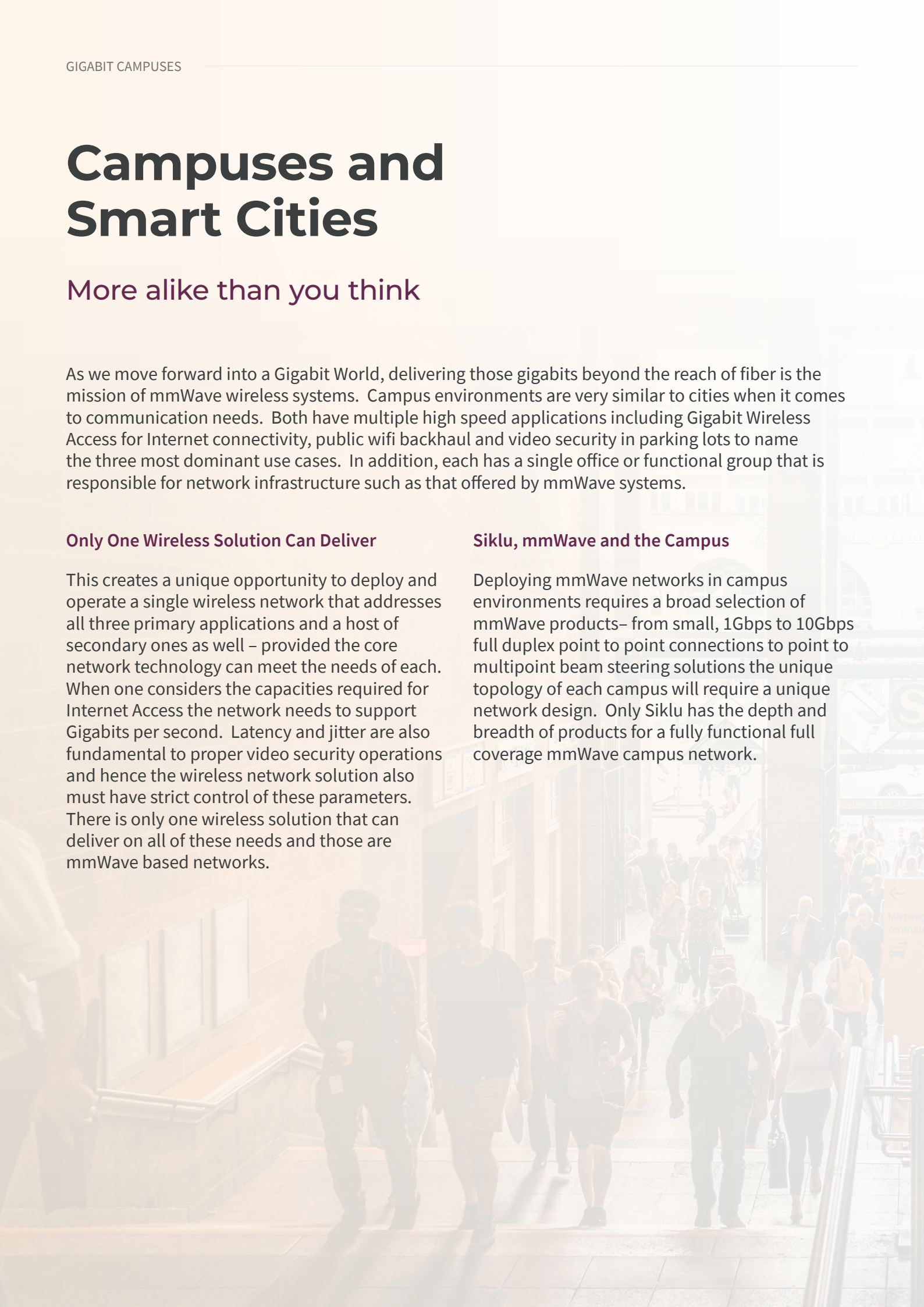
As we move forward into a Gigabit World, delivering those gigabits beyond the reach of fiber is the mission of mmWave wireless systems. Campus environments are very similar to cities when it comes to communication needs. Both have multiple high speed applications including Gigabit Wireless Access for Internet connectivity, public wifi backhaul and video security in parking lots to name the three most dominant use cases. In addition, each has a single office or functional group that is responsible for network infrastructure such as that offered by mmWave systems.

### Only One Wireless Solution Can Deliver

This creates a unique opportunity to deploy and operate a single wireless network that addresses all three primary applications and a host of secondary ones as well – provided the core network technology can meet the needs of each. When one considers the capacities required for Internet Access the network needs to support Gigabits per second. Latency and jitter are also fundamental to proper video security operations and hence the wireless network solution also must have strict control of these parameters. There is only one wireless solution that can deliver on all of these needs and those are mmWave based networks.

### Siklu, mmWave and the Campus

Deploying mmWave networks in campus environments requires a broad selection of mmWave products– from small, 1Gbps to 10Gbps full duplex point to point connections to multipoint beam steering solutions the unique topology of each campus will require a unique network design. Only Siklu has the depth and breadth of products for a fully functional full coverage mmWave campus network.







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

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**EtherHaul™**  
Street Level

**EtherHaul™ Kilo**  
Rooftop

**MultiHaul™**  
Point-to-Multipoint

**MultiHaul™ TG**  
Mesh

Up to 1Gbps  
Aggregated

Up to 10Gb  
Full Duplex

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

Up to 16Gbps  
Aggregated



**Siklu SmartHaul™**  
Network Software Tools