

ABOUT CAMBIUM NETWORKS

Cambium Networks is a leading global provider of wireless connectivity solutions that strengthen connections between people, places and things. Specializing in providing an end-to-end wireless fabric of reliable, scalable, secure, cloud-managed platforms that perform under demanding conditions, Cambium Networks empowers service providers and enterprise, industrial and government network operators to build intelligent edge connectivity. Cambium Networks' commitment to continuous innovation in wireless access is demonstrated in the millions of radios deployed in thousands of networks that benefit communities around the world. Team members also contribute to social responsibility activities to serve the communities in which they live. Headquartered outside Chicago and with R&D centers in the U.S., U.K. and India, Cambium Networks sells through a range of trusted global distributors.

www.cambiumnetworks.com



US Office

3800 Golf Road, Suite 360.
Rolling Meadows, IL 60008
USA +1 888 863 5250

UK Office

Unit B2, Linhay Business Park,
Eastern Road, Ashburton, United Kingdom, TQ13
7UP +44 1364 655500

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Optimize site deployments

cnHeat provides for the optimization of the placement of sites and configuration of APs and SMs within the site. Various site locations and heights can be modeled in order to maximize building coverage, which increases potential customer density while also minimizing site costs.

Understand RSSI everywhere

cnHeat allows for RSSI to be understood at all locations. Different colors correspond to different minimum RSSI levels. Understanding the signal level received at a building translates into knowing the maximum plan that can be sold to a customer.

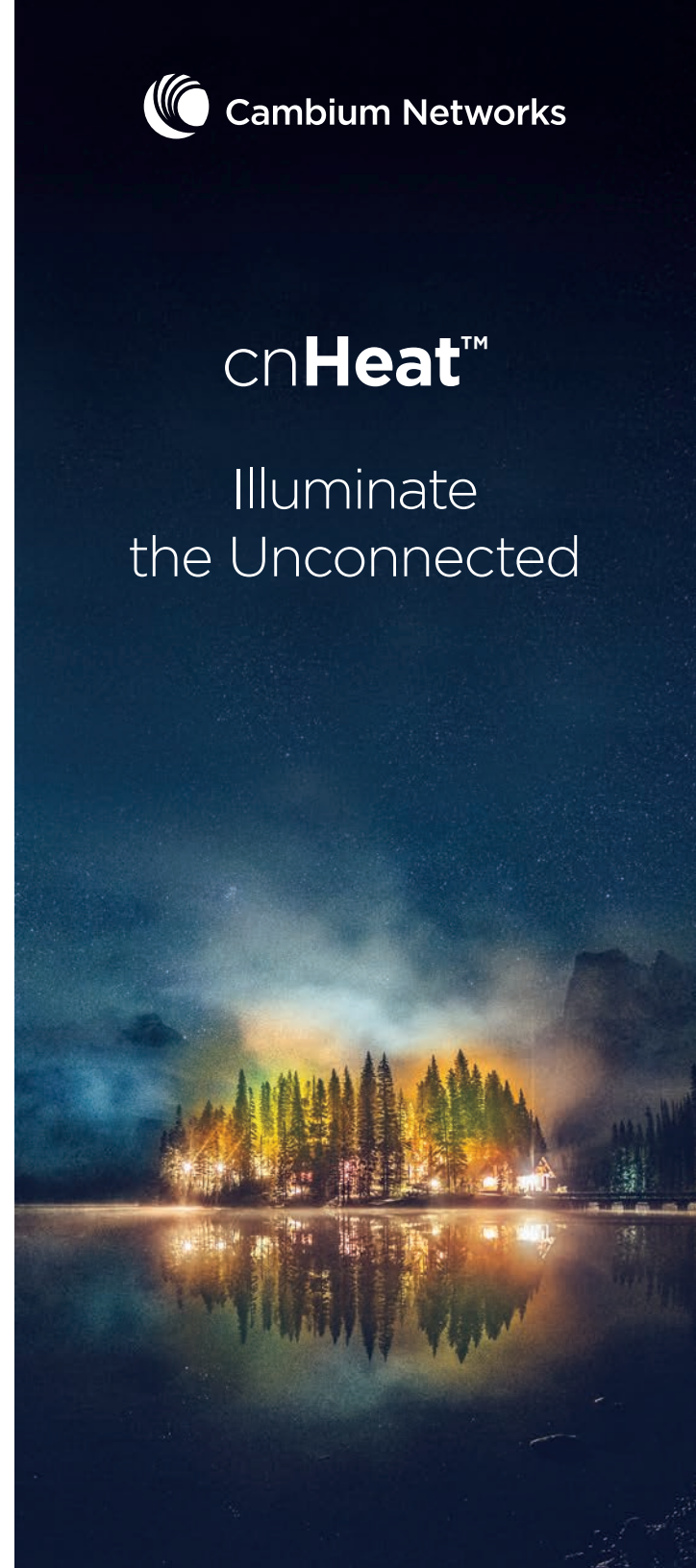


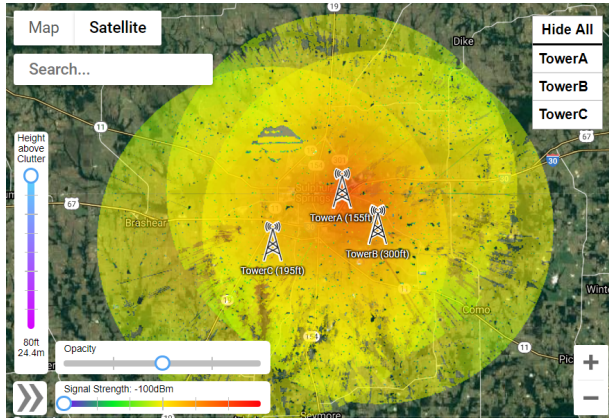
Left building covered by a lower RSSI level (i.e. yellow) than the building on the right (i.e. orange). These buildings are covered by nLOS / NLOS coverage in 3 GHz.



cnHeat™

Illuminate the Unconnected





cnHeat heat map predicting where coverage will be realized.

ILLUMINATE THE UNCONNECTED WITH cnHEAT

Cambium Networks offers cnHeat, the best in class RF planning service that supports 5 GHz LOS and 3 GHz nLOS / NLOS conditions.

Built upon Cambium Networks' expertise in RF planning, propagation, and modeling as seen in LINKPlanner and integrated with GIS data down to 1-meter precision, cnHeat generates highly accurate RF predictions and derivative services that accurately predict the reality of the RF world.

APPLICATIONS OF cnHEAT

Predict optimal install locations for new customers

The accuracy of the heat maps generated by cnHeat saves time and labor costs on customer installs. Because optimal installation locations are identified in advance, the installer can simply place the equipment immediately in the predetermined locations at the deployment site, then verify coverage from predicted to actual.



Bottom home can be connected, with the SM install locations predicted for the red shaded area of roof. cnHeat predicts the top home as unable to be served, preventing a failed truck roll.

Prevent truck rolls for customers that cannot be reached

cnHeat predicts whether service can be extended to a customer based on the address of the requested service site. If the location cannot be reached, an unnecessary truck roll is prevented, saving time and cost.

Install customers that failed before

cnHeat also allows for a quick check on previously failed installs, predicting those unique locations where service can be obtained that were previously overlooked – promoting customer satisfaction by turning a hurdle into a success story and securing continued business.



The home and surrounding yard fails installation, but service is predicted on the garage by cnHeat allowing a previously unconnected customer to now be connected.