Empower Data Center Connectivity with SOLiD ALLIANCE 5G Distributed Antenna Systems

Hyperscale operations require mission-critical, always-on, mobile connectivity.

Data center operators require peak performance and agility to remain competitive and profitable. With expectations of 99.999 percent reliability and nearly 100 percent uptime, operations teams need always-on, seamless communications when working in the data center. Today, many technicians rely on 5G voice and data service to stay in touch, particularly with the growing bring-your-own-device (BYOD) trend.

Yet, in-building mobile coverage is too often spotty or even nonexistent because energy-efficient building materials, interior walls, and loaded equipment racks block radio frequency (RF) signals from outside networks. This results in dropped connections and missed calls, preventing maintenance engineers from connecting with support personnel or online troubleshooting resources.

The SOLiD ALLIANCE 5G Distributed Antenna System (DAS) solution delivers reliable in-building connectivity with maximum design flexibility for easy upgrades and long-term value. SOLiD offers the industry's most sustainable and affordable active DAS solution, with modular pay-as-you-grow scalability to suit any size data center or campus.

Faster Data Speeds

Powerful scalability
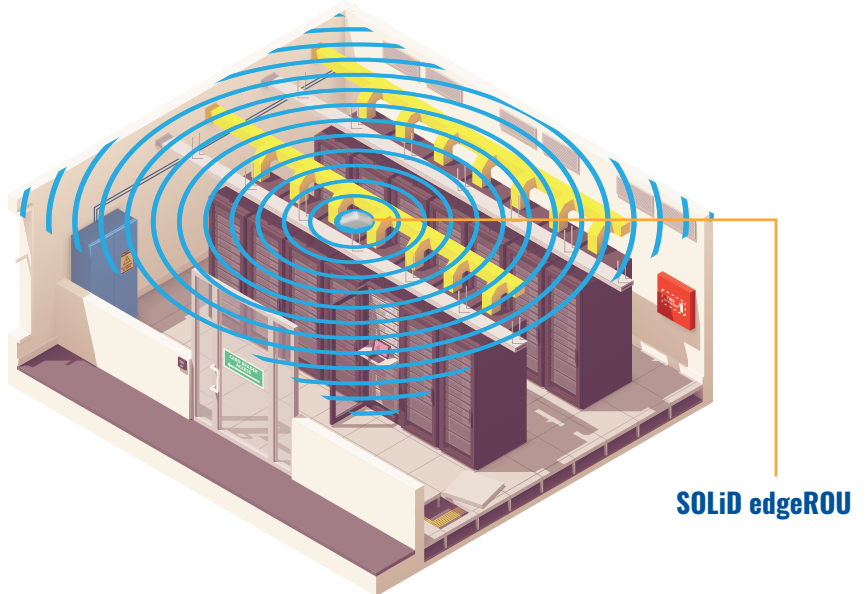
Energy-Efficiency

Solid Security

SOLiD™

Unmatched Performance, Sustainability, and Affordability

With data center power consumption continuing to skyrocket, sustainability is more crucial than ever. SOLiD delivers the most sustainable, affordable, active DAS platform available, providing the highest performance with the lowest carbon footprint.

The SOLiD ALLIANCE edgeROU DAS is the smallest, lightest remote in its class, consuming one-third the energy of competitive products while offering more bandwidth, higher RF output, and a low total cost of ownership (TCO).

With the latest fiber-to-the-edge technology, the edgeROU is simple, scalable, and secure, ready to meet your data center needs today and tomorrow.

When hyperscale data center operations are down, time is of the essence. Reliable in-building connectivity is crucial in today's fast-paced, competitive data center market.

SOLiD edgeROU

Maximize Capacity at the Lowest Cost

SOLiD FIBER2ANTENNA edge technology pushes more power through the in-building cellular network, resulting in mission-critical connectivity with lower installation and maintenance costs.

- Always-on Coverage
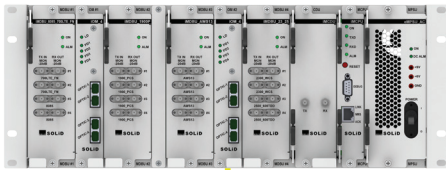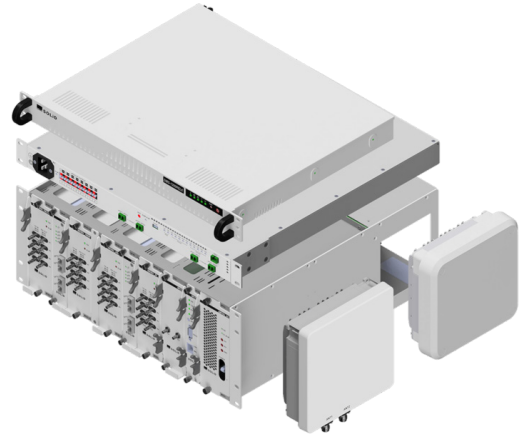- Unmatched Performance
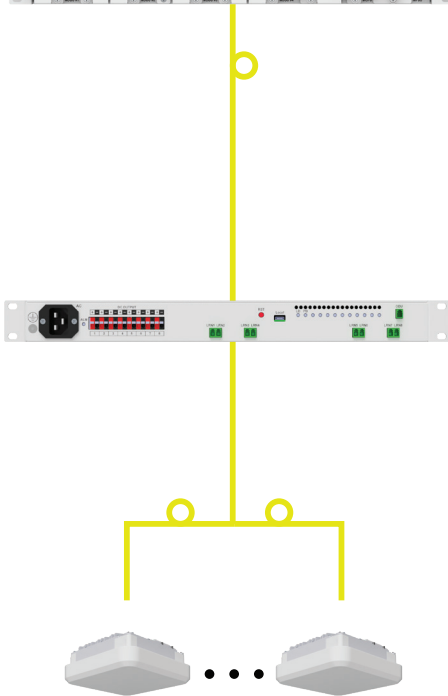- Industry-leading Sustainability

SOLiD ALLIANCE FIBER2ANTENNA DAS

FIBER-to-the-EDGE Architecture

An easy-to-install, in-building cellular solution that keeps you connected from the server room to the mechanical closet and around every corner.

ALLIANCE iBIU

The integrated base station interface unit (iBIU) is the head-end for the signals provided by every carrier network. Each signal is combined into an optical signal and distributed over fiber optic cables throughout the building. Each iBIU supports up to 16 edgeHUBs.

FIBER2ANTENNA edgeHUB

The edgeHUB receives optical signals from the iBIU and distributes them to multiple remote units on each floor. Each edgeHUB supports up to 16 edgeROUs.

FIBER2ANTENNA edgeROU

The edgeROU is a remote unit that easily mounts on a wall or ceiling with a small, inconspicuous footprint. It converts the optical signal into radio frequencies before amplifying and broadcasting them, covering up to 30K square feet.

Deliver Mission-Critical Connectivity

Pervasive mobile coverage is essential to keep data center operations teams connected to the resources they need to meet strict uptime requirements. Whether technicians are working in a server room, operations center, or mechanical closet, the SOLiD ALLIANCE neutral host DAS solution provides secure, reliable connectivity with all the major mobile service providers.

Boost Sustainability

Energy use continues to escalate due to data demand and AI reliance. SOLiD offers the industry's "greenest" and most affordable active DAS solution built on a history of sustainability.
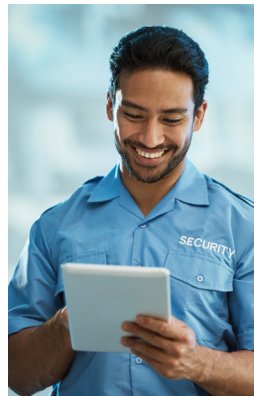
Prepare for Tomorrow

SOLiD provides 5G connectivity today while enabling workflow efficiencies, using AI, AR, VR, remote measurement, environmental monitoring, and Internet of Things (IoT) devices.

Scale to Every Need

SOLiD's modular design enables pay-as-you-grow scalability and simple technology upgrades, offering maximum agility and value.

Maximize Investments

The SOLiD solution grows with you, providing the greatest design flexibility and lowest TCO to cost-effectively meet your data center's needs.

Edge Connectivity. SOLiD Coverage.

Secure, dependable mobile connectivity is key to ensuring smooth operations in any data center. SOLiD ALLIANCE DAS solutions provide on-demand coverage and bandwidth throughout the most challenging environments in a sustainable, affordable, energy-efficient active DAS solution.

To learn more about our unmatched cellular coverage solutions, visit solid.com/us/ or contact us at:

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