



# Better Cellular Service with SOLiD BARS™

In today's hyper-connected world, seamless mobile connectivity is both a basic expectation and a business imperative. Everyone has experienced the frustration of dropped calls, missed texts, or even complete signal loss the moment they step inside certain buildings.



## The In-Building Coverage Challenge

Many facilities have unique obstacles to seamless in-building connectivity: Modern energy-efficient materials, low-emissivity glass, concrete, and metal infrastructure can significantly block cellular signals.

If you manage, operate, or oversee a building or venue and you are constantly dealing with tenant and customer complaints about poor cellular reception inside your building, it's likely that some combination of natural and man-made barriers is to blame.

To address dead zones and boost signal penetration from cellular networks, you need an in-building coverage solution that can grow with the unique needs of your facility—and for smaller facilities, a full-spectrum distributed antenna system (DAS) may not be in the budget.





## The Connectivity Imperative

Cellular connectivity is no longer a perk for your building's employees, tenants, and visitors. It's an absolute necessity. Addressing your building's in-building cellular coverage challenges can help improve productivity, boost tenant and customer satisfaction, and contribute to an increase in property values.

This need is particularly critical for businesses with a bring-your-own-device (BYOD) policy for employees, as well as tenants in multi-dwelling units (MDUs), many of whom count on reliable cellular connectivity in their home offices.

To meet the expectations of your customers and tenants, comprehensive and reliable in-building coverage is a necessity.



## Why Wi-Fi Falls Short

It's tempting to think Wi-Fi provides enough in-building connectivity. But Wi-Fi doesn't deliver the benefits of cellular, and your building's staff, tenants, guests, customers, and visitors still expect to conveniently use their mobile devices to make calls, send texts, and use mobile data without the inconvenience and security risks of Wi-Fi.

Comprehensive and reliable cellular coverage provides users with mobility, delivered with technology designed for connections in motion and a quality of service that delivers clear voice communications, as well as text and data.

That's connectivity that Wi-Fi doesn't reliably deliver.





## Connecting the Middleprise

Not every building requires a full-spectrum DAS, and not every scenario justifies the investment. Some facilities should consider solutions specifically designed for the so-called “Middleprise” market.

The Middleprise encompasses small to mid-sized enterprises, including:

- Retail stores
- Medical office buildings
- K-12 Schools / Community Colleges
- Motels / Small Hotels
- Warehouses / Light Manufacturing
- Multi-dwelling units (MDUs)

Middleprise businesses present their own unique mobile coverage challenges. Facilities in this middle tier still need reliable, comprehensive mobile coverage.



## Connecting with Carriers

Since the people living, working, shopping, and otherwise using your building or facility are customers of the three major mobile carriers, your in-building coverage solution should provide access to their networks.

Implement coverage enhancement systems that can support the major mobile network operators, ensuring comprehensive coverage regardless of which one your occupants use. This multi-carrier approach eliminates the need for separate solutions for each service provider, reducing the costs and disruptions to your business, while creating a better user experience.

Explore solutions that leverage “off-air” signals from nearby cellular towers. This approach can provide coverage without lengthy approval processes or ongoing carrier fees. FCC Part 20 consumer signal booster systems are authorized to amplify and distribute off-air signals, making deployments faster and more cost-effective, while providing service immediately after installation.

Understanding which carriers have the strongest signals and where they’re weakest will help prioritize areas for improvement.



## Aesthetics and Scalability Matter

In commercial environments, retail stores and hospitality venues, visual impact matters. For your in-building coverage solution, look for remote units that are small, unobtrusive, and aesthetically pleasing. Modern solutions can deliver superior output power in compact form factors that blend seamlessly with the design of your environment. This is particularly important in customer-facing areas where bulky equipment could detract from the user experience.

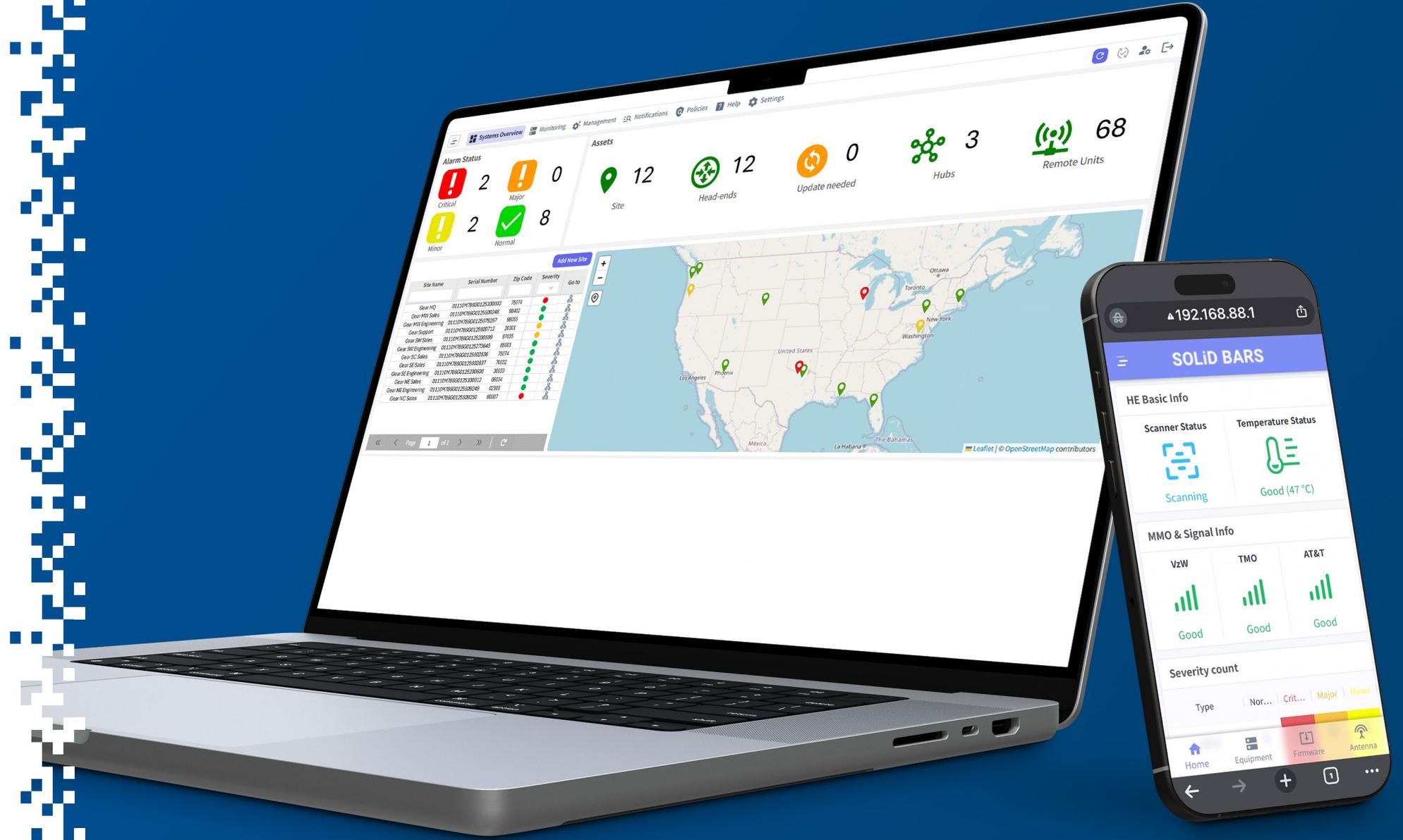
Also explore solutions that can grow with your needs. Systems that support expansion from small installations to larger deployments provide the flexibility to adapt as connectivity demands evolve. This scalable approach lowers the cost and complexity of your solution.



## Manage with Ease

Simplified, accessible approaches to enhancing your facility's in-building coverage also demand intelligent management. Deploy solutions with integrated intelligence that can automatically optimize performance in response to changing conditions.

Look for systems with a user-friendly network management platform that allows system integrators or your IT team to remotely monitor and optimize the system. That means fewer service calls, better visibility, and easier troubleshooting. It also makes it easy to add coverage to new areas as your needs change.





## Healthcare

For physicians, nurses, staff, patients, and visitors, constant connectivity is an absolute necessity, and weak signals or dropped calls are no longer acceptable. Dense building materials, natural obstacles, low-emissivity glass, and neighboring structures can all contribute to the degradation of cellular signals inside a healthcare facility.

SOLiD provides seamless, in-building cellular communications, connecting multiple cellular networks and distributing the signals to every corner of your building or campus.



## School

Seamless mobile connectivity is vital to provide essential services for students, faculty, and staff on today's campuses, enabling productivity, security, and peace of mind. Wireless traffic surges can easily overwhelm Wi-Fi networks, particularly during large events when communications are most needed for student and visitor safety.

SOLiD solves the most difficult campus connectivity issues for peace of mind. [Watch the video](#) to learn how SOLiD BARS enhanced the cellular coverage for Prince of Peace Christian School in Plano, Texas.



## MDUs

High-quality, in-building connectivity creates a positive experience that attracts and retains tenants. Yet, modern multi-dwelling unit (MDU) buildings have a wide range of vital coverage needs — from mobile service in public areas to charging stations and 911 support in below-ground parking garages.

SOLiD BARS coverage extends throughout the building, from the rooftop to the basement and on every floor in between, for connectivity that just works.



## Retail

As adoption of omnichannel retail grows, seamless digital connectivity is a lifeline for all types of retail businesses, enabling them to offer the best possible shopper experience. Investing in communications infrastructure keeps your retail tenants happy, as well as increasing the value of your commercial real estate (CRE) property.

Significantly increase the value of your retail investments at a lower cost per square foot with quick and simple SOLiD BARS deployments.



## The Bottom Line

Seamless indoor cellular connectivity is a business imperative, and dropped calls and missed texts are no longer acceptable inside buildings.

If you are dealing with customer, tenant, and visitor complaints about poor mobile reception, you need an in-building coverage solution custom-designed for the Middleprise that can grow with the unique needs of your facility.

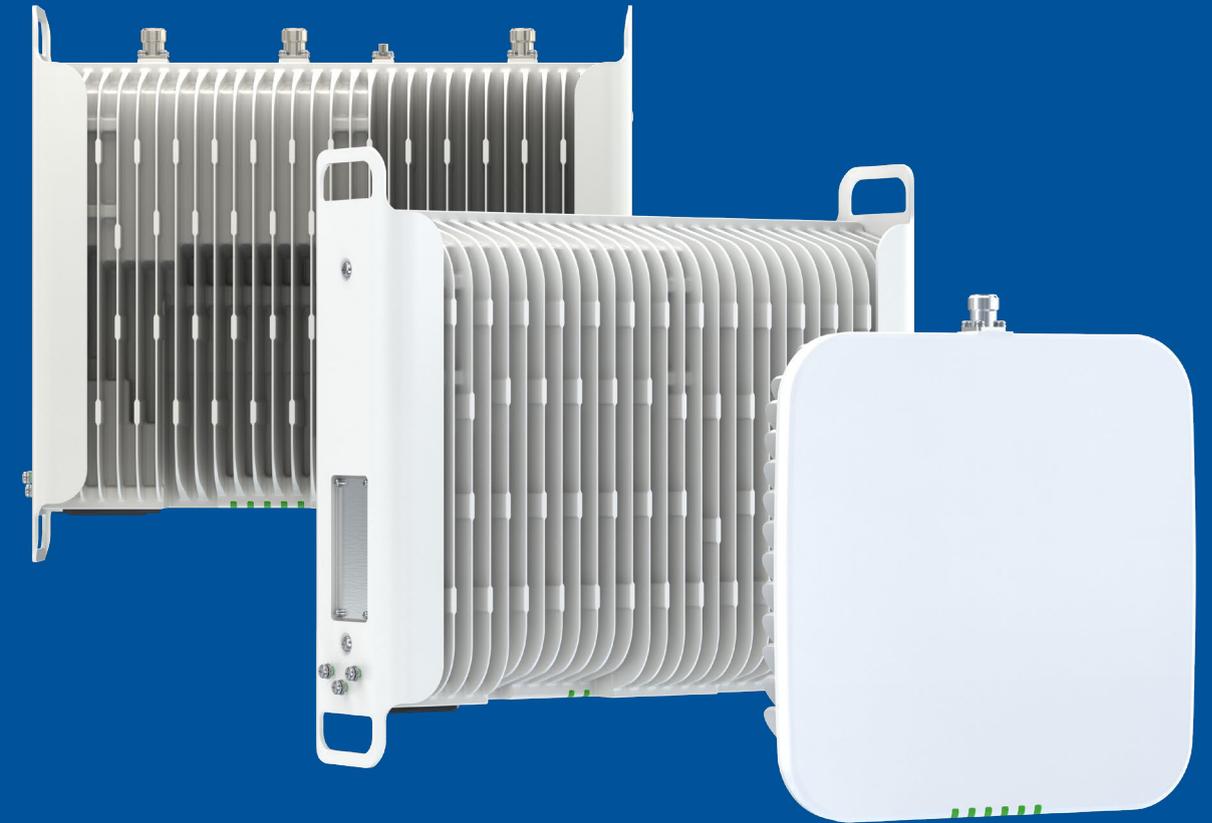


## About SOLiD BARS™

To help Middleprise venues implement these strategies effectively, the SOLiD BARS™ solution was designed specifically for small to mid-sized facilities. Supporting up to three frequency bands for each of the three major U.S. carriers, SOLiD BARS provides comprehensive multi-carrier coverage that works for everyone.

The SOLiD BARS solution simplifies the delivery of carrier-grade mobile capacity over standard structured cabling infrastructure to small, aesthetically pleasing remote units (RUs) installed throughout the building. The platform scales up to 40 remote units per headend, offering the flexibility to grow with the needs of a building or campus.

Backed by [SOLiD's 25+ years of proven expertise](#) and reputation for quality, the SOLiD BARS solution delivers the performance, scalability, and cost-effectiveness required for comprehensive coverage in challenging mid-sized facilities.





## SOLiD BARS FAQ

Everything you need to know about SOLiD's simple, scalable in-building mobile coverage solution.

### What is SOLiD BARS?

SOLiD BARS is an easy-to-deploy solution that delivers seamless in-building mobile connectivity for any business or public institution. It is designed for small to mid-sized buildings and facilities that need better signals but can't justify the complexity or cost of a traditional distributed antenna system (DAS).

### Who is it for?

SOLiD BARS is built for what we call the "Middleprise"—facilities that are too small for a full-scale DAS but still have mobile connectivity and coverage needs. That includes:

- Commercial offices
- Hospitals and healthcare clinics
- Schools and universities
- Multi-dwelling units (MDUs)
- Hotels and hospitality venues
- Retail stores
- Government and public safety facilities

If your tenants, staff, or visitors complain about spotty cell service, BARS is worth a closer look.

### How does it work?

The BARS system pulls in "off-air" signals from nearby cell sites, amplifies and redistributes them throughout a building over Ethernet infrastructure to aesthetically installed antennas in areas of the building requiring coverage enhancement. The solution supports up to three frequency bands for each of the three major U.S. carriers, enabling users to make calls, send texts, and stream content without disruption. The BARS system is simple, fast to deploy, and delivers service immediately.

### What makes it different from a traditional DAS?

Traditional DAS systems are typically best suited for very large or high-traffic venues. They require carrier participation, fiber backbones, high upfront investment, and often take months to install and integrate.

SOLiD BARS is different in several important ways:

- Multi-carrier: Works with all three major U.S. carriers out of the box
- Off-air: No need for direct carrier connections or backhaul
- Ethernet-based: Uses standard Cat6A cabling
- Scalable: Easy to expand as your coverage needs grow
- Cost-effective: Designed to bring mobile coverage within budget for smaller buildings

### What does "off-air" mean?

"Off-air" means that the system uses over-the-air signals from existing outdoor cell towers. There's no need to negotiate custom service agreements with carriers or build out fiber backhaul connections. This makes deployment faster, easier, and significantly more affordable — especially in buildings where macro coverage is present outdoors but doesn't reach indoors.



## Is BARS compatible with all major carriers?

Yes. SOLiD BARS supports all three major U.S. mobile network operators: AT&T, T-Mobile, and Verizon. It can amplify up to three frequency bands per carrier, so you can be confident that your users will get the signal they need, no matter which network they're on.

## How is it installed?

One of the strengths of BARS is how easy it is to install. It runs over standard Ethernet cabling that your facilities and IT staff work with every day. The system provides coverage using lightweight, compact remote units that can be placed where needed in your building. Installations can often be completed in days rather than weeks, with minimal disruption to business operations, allowing for immediate service delivery.

## Is the system easy to manage?

Yes. BARS includes a user-friendly network management platform that allows system integrators or your IT team to remotely monitor and optimize the system. That means fewer service calls, better visibility, and easier troubleshooting. It also makes it easy to add coverage to new areas as your needs change.

## Can it scale with my business?

Absolutely. BARS was designed with scalability in mind. If you expand into another floor or an adjacent building on your campus, the system can grow with you. Additional remote units can be added without replacing core components or disrupting existing coverage.

## How much does it cost?

Costs vary depending on the size of the building, number of remote units, and other factors, but BARS is significantly more affordable than traditional DAS systems. Hardware costs are lower, and because it utilizes Ethernet infrastructure and off-air signals, installation is simpler, faster, and more cost-effective. The result is a system that delivers great ROI without a hefty price tag.

## Contact Us

[Contact Us](#) to learn how the SOLiD BARS solution keeps occupants connected wherever they work, shop, live, and play. Our team will walk you through your building's specific needs and help design a solution that works for your space, your timeline, and your budget.

### Address

800 Klein Road, Suite 200  
Plano, TX 75074

### Phone

(888) 409-9997

### Email

info@solid.com

### Website

solid.com/bars