COMMSCOPE®

Atlas Monopole Platform solution

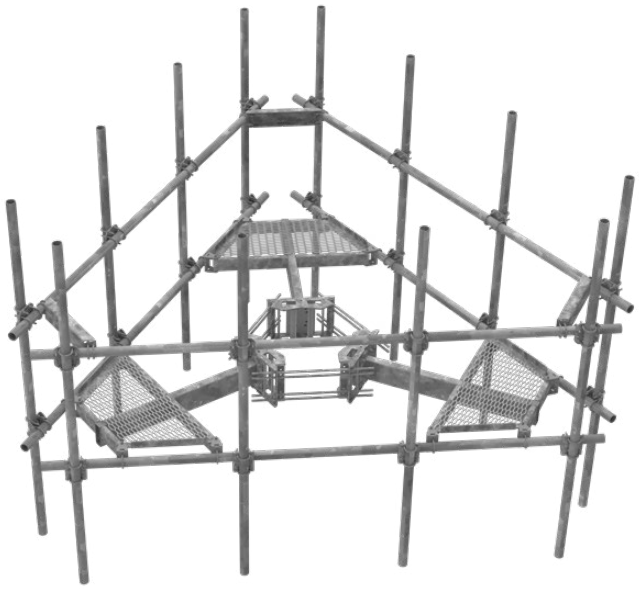
Network operators' loading issue

As mobile networks accelerate their 5G planning and deployment, they are increasingly using larger, heavier, radio-integrated antennas. Site architects and structural engineers wonder how they'll support the additional loading on structures that are already loaded to capacity. The issue grows more acute at macro sites featuring monopoles, where the struggle between cost, performance and available space is fluid and never-ending.

Standard platforms and mounts lure site architects and structural engineers into the inevitable situation of reinforcing or replacing. The typical solution offers limited capacity compared to today's ever-evolving equipment needs. Adding "kickers" to support higher loads can increase capacity but often requires additional lease space on already-crowded infrastructure. Such modifications also require additional engineering analysis to confirm the platform's new capacity—adding time and potential cost to the already-tight timelines of deployments.

Introducing the Atlas Monopole Platform

CommScope's innovative Atlas Monopole Platform provides the simplified design, high-load performance, and data analysis that MNOs need to grow with confidence. A high-capacity collar mount and high-strength structural tubing (HSS) simplify analysis, construction, and installation. Not only is the CommScope Monopole Platform TIA-5053 compliant, but we also make it easy to test and verify. And, because the Atlas Monopole Platform is upgradeable, it helps keep your network future-ready.



Atlas: strong enough to carry you into the future

CommScope's innovative Atlas Monopole Platform solution provides the high-load capacity and performance that simplifies analysis, construction and installation, and ensures your tri-sector monopole deployment meets the latest TIA standards.

The design uses high-strength rectangular standoff tubes to create a heavy-duty standoff system. The simple design enables the use of commercially available software such as RISA-3D for fast and simple analysis.

Another feature of the mounting structure is the uniquely designed pivot brackets that replace the traditional clip angles. Typically, the old clip angles are made from bent steel plates whose structural integrity can be compromised by lateral wind loads. The new pivot brackets feature a thicker dual flange that compensates for the stress at the weak axis.

CommScope not only guarantees your Monopole Platform is TIA-5053-compliant—we make it easy for you to test and verify.

Five reasons to let Atlas shoulder your load:

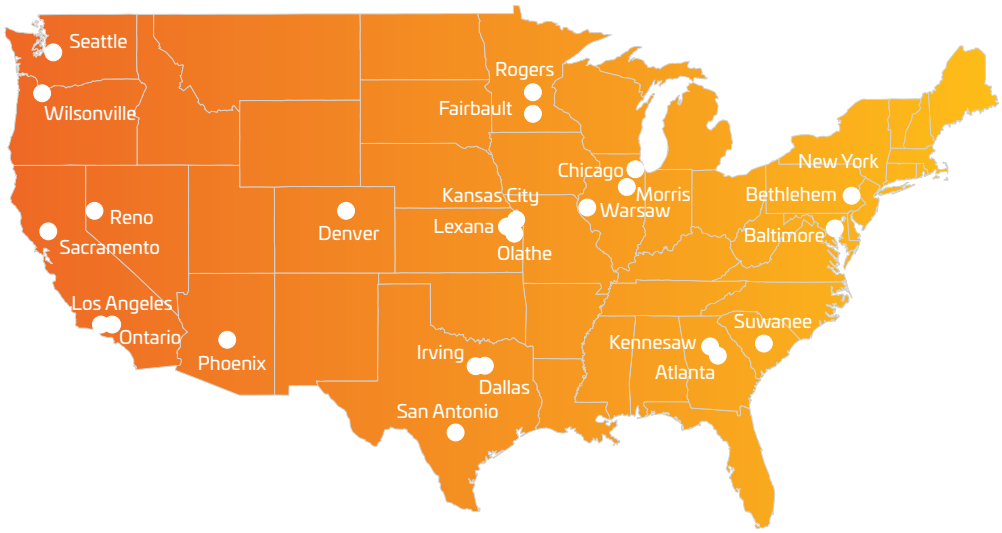
- **Higher load capacity**: An innovative and thoroughly tested heavy-duty collar mount, HSS tubular design, and thicker dual-flange pivot bracket stand up under increased load capacities.
- **Ability to easily self-test:** Atlas uses a simplified single beam-based design and provides a RISA-3D analysis and technical documentation—letting you easily confirm it meets your specs.
- **TIA-5053 compliant:** The platform mount and frame are designed and tested for 180 mph wind loads and rated up to M2200R (1700)4-[6]
- **Upgradeable:** The Atlas portfolio includes a PVS top rail enforcement kit—making it easy to upgrade and keep your network future-ready.
- **Efficient deployment:** The simplified design and ability to easily self-test reduce the time and cost needed for analysis, construction and installation—keeping you on schedule and within budget.

Ordering Information

At CommScope, we understand what you're up against. In developing Atlas, we leveraged 40+ years of network experience, global resources and engineering expertise. The result is an innovative and reliable monopole platform that's strong enough to carry you well into the future.

For detailed product and ordering information, contact your local CommScope representative or one of our distributor partners today!

CommScope Distributor Locations



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commscope.com Visit our website or contact your local CommScope representative for more information.

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