

MAG - Mast Series

The Mast Series mobile communications platform was developed to meet the needs of service providers and city governments who require a small foot print for service and storage. The Mast Series is compact enough to fit into the standard parking garage and be deployed on the top floor or city street.



Whether sitting on top of a parking garage or in your local play ground during an emergency, the Mast Series portable communications platform is fully functional within 15 minutes!

The mast is pneumatic and is raised and lowered via an on-board compressor ensuring a smooth deployment. Once the mast is extended it is locked into place for safety.

Adding your equipment is easily accomplished without any unnecessary climbing on ladders or scaling the



The Mobile Application Gateway (MAG) - Mast Series portable communications platform was designed specifically to be deployed in places where other mobile towers can not go!

These are places like your local parking garage or the streets of New York City where space is at a premium and height is not a major requirement. The MAG Mast Series excels in portability while delivering up to 60 feet of height without the use of guy wires.

The Mast Series is our mid-level work horse mobile tower providing freedom of mobility in city and urban environments. Capable of being towed by a standard light truck class of vehicle, it is capable of being deployed with minimum training.



The compactness of the Mast Series does not mean you are without options! There is still plenty of room to fit a 15kW generator and a small BTS cabinet!

The Mast Series trailer can be extended to included a fully outfitted shelter to house communications equipment and a on-board generator.

At TowerWorx, we manufacture all of our mobile towers from the ground up and specialize in custom designs to fit your application. We can also provide full integration services for all of electronics and power systems. We welcome the opportunity to discuss what we can accomplish for your next mobile tower project. Contact us at: sales@towerworx.net.



tower. All equipment can be safely mounted as the mast is being extended upwards. Each trailer comes with a small built in equipment mounting platform to eliminate the need to climb the tower.

Once at the full operational height, the mast can be rotated to accommodate application changes without moving the entire trailer. This aids in signal strength fine tuning so that you can get the most out of your application!



Tower Specifications	M30	M40	M60
Maximum Operating Height - Fully Extended	30' / 9.1m	40' / 12.2m	60' / 18.3m
Minimum Operating Height	7' / 2.1m	7' 9" / 2.4m	10' 1" / 3m
Self-Supporting [No Guying Required]	Y	Y	Y
Mast Sections	6	9	8
Collar Type	Locking T-Handles	Locking T-Handles	Locking T-Handles
Mast Payload Capacity	150 lbs / 68 kg	150 lbs / 68 kg	200 lbs / 90 kg
Wind Loading w/ 4 SqFt Area	65 Mph	60 Mph	40 Mph
Setup Time - Full Mast Extension	15 Min	15 Min	15 Min
Air Compressor & Pneumatic Kit	Y	Y	Y
Power Requirements	110v / 60 Hz	110v / 60 Hz	110v / 60 Hz
Operations & Control Panel	Y	Y	Y
Safety Limit Switches	Y	Y	Y
Trailer Specifications			
Overall Trailer Length	14' / 4.2m	14' / 4.2m	14' / 4.2m
Overall Trailer Length - Transportation Mode	14' / 4.2m	14' / 4.2m	14' / 4.2m
Overall Trailer Width	8' / 2.4m	8' / 2.4m	8' / 2.4m
Overall Trailer Height	7' / 2.1m	7' 9" / 2.4m	10' 1" / 3m
Gross Trailer Weight	7,500 lbs / 3,401.9 kg	7,500 lbs / 3,401.9 kg	7,500 lbs / 3,401.9 kg
Dual Axle Suspension	Y	Y	Y
Spare Tire	Y	Y	Y
Electric Brakes	(1) Per Axle	(1) Per Axle	(1) Per Axle
2 5/16" Adjustable Height Ball Hitch	Y	Y	Y
Safety Chains	Y	Y	Y
Break Away Kit	Y	Y	Y
7-PIN RV Trailer Electrical Plug	Y	Y	Y

All TowerWorx trailers meet D.O.T Standards and Requirements for lighting

TowerWorx designs all towers using ERI Tower Analysis and Design software to accommodate for full wind loading and structure design. All cabling used to raise, lower and guy our towers is Air Craft Quality cable. The strength required for each application is determined using the TIA/EIA-222G specification. Sheaves are constructed of solid steel for extra strength. All bolts are made of Grade 5 and/or Grade 8 steel. TowerWorx follows AWS D1.1 Welding Procedures.