

Telescopic Mast

For RDL-3000 RAS-Elite

The Aviat Networks Telescopic Mast is designed for applications requiring rapid establishment of reliable high speed wireless links in temporary and semi-permanent locations.

The rugged construction features quick and simple setup using a clamp-based attachment mechanism compatible with many trailer types without drilling or welding. The system is a stable mechanical telescoping mast that can be extended vertically. The mast is raised and lowered by an integrated manual hand crank or an optional electric winch (12 VDC, 24 VDC or 120 VAC).

This mast is ready to use with the Aviat Networks RAS-Elite auto-acquire TCP/IP data terminal. The RAS-Elite requires no manual alignment. The RAS scans 360 degrees and automatically locates the nearest base station and optimizes the beam-forming antenna signal pattern (RAS has no moving parts) to achieve and maintain a reliable connection.

Operational in minutes, the telescoping mast with RAS system can be deployed quickly without any special site preparation. This mast is ideal for many trailer applications including field offices, surveillance, HSE, emergency services and for providing temporary services while permanent infrastructure is being constructed, repaired or upgraded.

The mast is pre-wired to accommodate additional devices such as a camera and Wi-Fi AP and requires only mounting the devices. All cables terminate in the aluminum junction box at the base; pre-wired with DC power connector, industrial RJ-45 connectors and in-cabinet surge protection.

UNIFIED GLOBAL SOLUTION

Aviat Networks' patented UWT™ technology provides a truly unified wireless networking solution—across the spectrum, across the network and globally—enabling secure, reliable, high-speed, low-latency connectivity to people and smart devices everywhere.



SYSTEM AT A GLANCE

Telescoping mast for field offices, surveillance trailers and trucks for nomadic and portable communications

Plug 'n Connect mounting and cabling

Antenna mast height to 12.2 m (40 feet) or 20m (65 feet)

Manual hand crank standard with optional electric winch

Low and simple maintenance

Aluminum mast with stainless steel cable

Light weight

No drilling or welding needed to install

Aluminum junction box with built-in surge protection

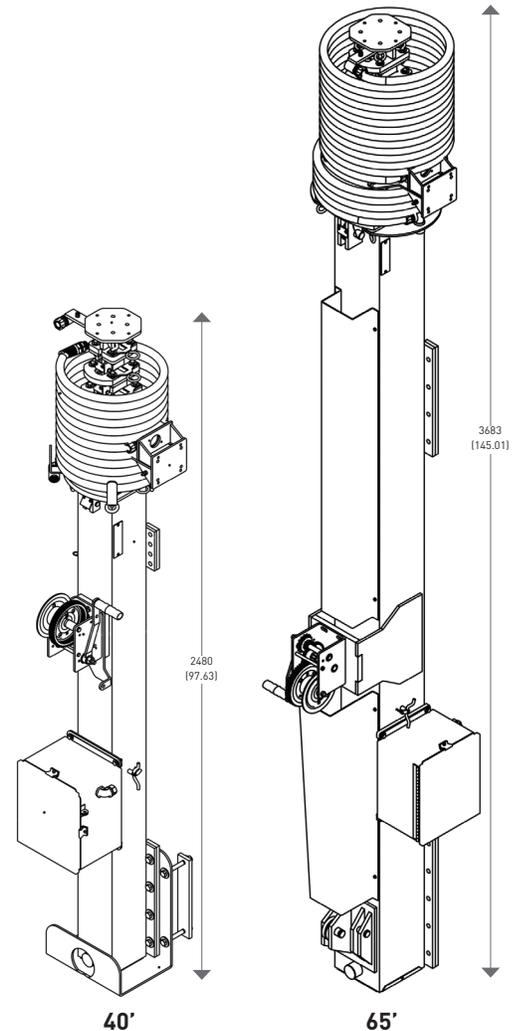
AVIAT NETWORKS PROFESSIONAL SERVICES

Aviat Networks is a global full service solutions provider, ready to assist you with the complete spectrum of complex tasks to design, build, optimize, and manage your private broadband wireless network. When you need product training, RF cell planning, or a complete turnkey build + managed services solution, Aviat Networks and our global partners are here to help you.

TELESCOPIC MAST SPECIFICATIONS

Order Code	40': MNT-TELE-MAST-01' 65': MNT-TELE-MAST-02'
Extended Height	40': 12.2 m (40 ft) 65': 20 m (65 ft)
Retracted Height	40': 2480 mm (97.63 in) 65': 3683 mm (145.01 in)
Base Section Dim.	15 x 15 cm (6 x 6 in)
No. of Sections	8
Optional Payload Devices¹	Direct-mount RAS-Elite (includes SS fasteners), camera and Wi-Fi AP
Weight of Mast	40': 104 kg (230 lbs) 65': 174 kg (383 lbs)
Construction	6061-T6 Aluminum
Operating Temperature	-40 to 65° C (-40 to 149° F) including de-icing feature
Finish	Powder coated, all non-corrosive materials, Pantone Grey
Mast Cable Types	3x CAT5 terminated; 1x 3-Wire 16 AWG; 2x ground wire 10 AWG
Junction Box	Aluminum, 3x industrial RJ-45 connectors, 1x DC 2-wire connector, 3x PoE lightning protection (DIN mount)
Crate	Shipping crate included
Cable Management	Fast-retract protective coil system
Mounting Brackets	Clam shell pressure plates (no drilling/welding needed)
Security	2x combo locks
Accessories	3x CAT5-100ft terminated IND-ETH, 1x DC 2-wire plug unterminated

¹ Payload devices not included



* Dimensions are in millimeters (inches)