

PFD-MVSAT-120
Transportable SatCom System Platform



The PathFinder Transportable SatCom System Platform as shown above is outfitted with a 1.2 meter auto-acquisition satellite antenna and a dual WiFi broadband system.

The PathFinder Digital Model PFD-MVSAT-120 Transportable SatCom System Platform is a compact, lightweight custom communications trailer. A rigid roof structure provides a solid platform for the installation and integration of any manufacturer's satellite antenna system up to 1.2 meters in size. A shock mounted 15RU equipment rack is standard, providing space for the equipment necessary to render data, voice, and/or video communications.



The lightweight and compact design allows for towing behind a standard SUV, van, or pickup truck that is equipped with a minimum class 1 hitch. Manually operated stabilizer jacks on all four corners offer added stability.

The trailer is segmented into forward and rear compartments. The communications equipment is rack mounted in the front compartment which is sealed & locked away from the elements. The rear compartment provides plenty of space for transport and storage of other required equipment.



The communications equipment, custom I/O cable hatch, and AC power input is curb side accessible. Included are two independent 120 Volt AC 15 Amp circuits and a 1400 VA UPS.



The rear trunk offers 50 cubic feet of storage with ample space to carry a full sized generator, fuel can, spare tire, tools, and any ancillary equipment as needed.

PathFinder Digital offers value added services that includes the installation, integration, and commissioning of customer provided equipment to render fully operational systems.



STANDARD FEATURES:

Trailer Model	PFD-MVSAT-120
Manufacturer	Transhaul / PathFinder Digital exclusive
Stability	4 stabilizing jacks on 4 corners
Access	2 front side doors, 1 rear door
Spare Tire	Included and stored in rear trunk
Storage	50 cubic feet in rear compartment accessible via rear door
Rack Space	Standard single 15 RU shock mounted rack in front compartment
I/O Interface	Custom 1 RU 16 port panel configurable per application on curb side of trailer
Trailer Power	120 VAC 30 Amp twist lock plug supplying two independent 15 Amp circuits
Uninterruptible Power System (UPS)	1400VA / 950 Watt UPS included for backup of basic communication equipment
Air Flow Venting	Forced air ventilation in front compartment, flow-thru ventilation in rear compartment

SPECIFICATIONS:

Trailer Weight	
• Base Trailer (Empty)	1,000 Lbs. approximate
Tongue Weight	
• Empty	90 - 100 Lbs.
• With antenna & equipment	125-135 Lbs.
Load Capacity	
• GVWR	2,990 Lbs.
• Payload	1,990 Lbs.
Tires	
• Type	ST205/75D-15, Bias Ply
• Load Range	Load Range C (6 Ply)
• Speed Rating	Highway rated - high speed
• Max Capacity	1,820 Lbs. each
• Maximum PSI	50 Lbs.
Hitch on Trailer	
• Tongue Type	A Frame rated at 5,000 Lbs.
• Ball Size	2"
Hitch Requirements on Vehicle	
• Class 1	Up to 200 Lbs. tongue weight Up to 2,000 Lbs. gross trailer weight
• Class 2	Up to 300 Lbs. tongue weight Up to 3,500 Lbs. gross trailer weight
Trailer Brakes	
• Electric Brakes	Electric trailer brakes with break away switch
Lighting	
• Front Side Marker	Amber on each side
• Rear Side Marker	Red on each side
• Rear Tail Lights	Red on the rear left & right, integrated taillights, brake lights, and turn signal lights
12 Volt Wiring Harness	
• Connector Type	Bargman 7 (RV Style) 12 volt electrical connectors for lights and brakes
Trailer Dimensions	
• Overall Height	58"
• Overall Width	81"
• Overall Length	128 ½"
• Body Dimensions	60" Wide X 84" Long X 36" High

AVAILABLE OPTIONS:

• Additional Equipment Rack	2 nd shock mounted rack adding 15 RU of space
• Platform Tethering & Stabilization Kit	Secures trailer to the ground for security and windy conditions
• WiFi Package	Adds high power extended range wireless broadband
• Telescoping Mast Kit	Stand alone 16.5' mast system for support of hi-gain antennas & security cameras
• HVAC System	Rugged 2,000 BTU/Hr air conditioner with heat strip with custom mounting brackets
• Generator System	Honda EU3000is 3KW Super Quiet Portable Inverter Generator
• Generator Tongue Mounting Kit	Lockable protective enclosure to mount generator on tongue of trailer
• Generator Trunk Transportation Kit	Ramp and fastening kit to transport generator in trunk of trailer

* See PathFinder Specification PFD-MVSAT-120-Options-08Rev1 for options descriptions and specifications