



## Trailer-based antenna systems for field communications

GlobalStorm 2400 and 3700 trailer-based antenna systems provide the ideal communications platform to support your field communications needs. Each system is designed for reliable communications on the quick halt, providing a critical link to firefighters, emergency management agencies and 1st responders worldwide. Each GlobalStorm 2400/3700 trailer can be customized to support multiple frequency bands. Choose from SCPC, DAMA or Video Encoder applications as well as an "IP over satellite" version that provides voice, data and video over IP. Each trailer includes environmentally-controlled trailer enclosures to protect your valuable field equipment.

### Key Features:

- Manual & automatic satellite acquisition configuration
- 2.4m/3.7 antenna large enough to close difficult links
- On-board power generation
- Truck towable and helo transportable
- COTS design
- Custom trailer sizes available to support your mission
- Optional add-on Wi-Fi, LMR & Cellular backhaul packages
- Provides immediate bandwidth to any location
- Rapid and easy antenna deployment
- Fully mobile, self-contained Earth Station
- C, Ku or X band configurations

### Applications:

- Disaster recovery
- LMR bridging
- Cellular backhaul
- Corporate communications backup to terrestrial service
- Short-term to semi-permanent installations
- Distance learning
- Telemedicine
- Homeland Defense
- Marketing events trade shows

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Electrical		GlobalStorm 2400 Technical Specifications	GlobalStorm 3700 Technical Specifications
Antenna Size		2.4M (96 in.)	3.7M (144in.)
Operating Frequency (GHz)	RX TX	3.625 – 4.2 GHz 5.850 – 6.425 GHz	3.625 – 4.2 GHz 5.850 – 6.425 GHz
Midband Gain ( + 0.5dB)	RX TX	38 dB 42 dB	40.9 dB 44.7 dB
Antenna Noise Temperature		Linear Circular	Linear Circular
10°elevation		52 K	36 K
20°elevation		46 K	23 K
30°elevation		45 K	21 K
Insertion Loss		02 dB Max.	.05/.02 dB
Power Handling Capability		500 Watts	500 Watts
Sidelobe Envelope, (Transmit)			
Mainbeam < _ < 48°		32 – 25 Log _ dBi	32 – 25 Log_dBi
48° < _ < 180°		- 10 dBi (averaged)	- 10 dBi (averaged)
Polarization		Linear (Co- or Cross-Pol)& Circular	Linear (Co- or Cross-Pol) & Circular
Feed Interface	RX TX	CPR 229 F CPR 137 or Type N	CPR 229 F CPR 137 or Type N
Cross-Pol Isolation		>30 dB (on axis)	>30 dB (on axis)
VSWR		1.3:1 Max.	1.3:1 Max.
3 dB Beamwidth	RX TX	2.2° 1.4°	1.4° 0.9°
Pol Rotation (manual)		+90 deg. cont.	+90 deg. cont.
Isolation TX to RX		90 dBi min. Co-Pol: 70 dBi min.	X-Pol: 75 dBi min. Co-Pol: 60 dBi min.
Mechanical			
Reflector Material		Glass Fiber Reinforced Polyester SMC	Precision Forged Aluminum
Antenna Optics		2 Pc. Prime Focus, Offset Axisymmetric	3 Pc. Trifold Prime Focus, Axisymmetric
Mast Pipe Size		6" SCH 80 Pipe (6.62" OD)	6" SCH 80 Pipe (6.62" OD)
Elevation Adjustment		30° to 90° Upright	10° to 70° Continuous Fine
Range Adjustment		0° to 40° Inverted	(90° Optional)
Azimuth Adjustment		360° Continuous Range	330° Continuous
Trailer Specifications *			
Tandem Axle Assembly		7,000 lb	12,000 lb
Tires		LT225/75R15	LT235/85R16
Wheel Size and Type		15" x 6", 5 x 4.5" white mod	16" x 6", 8 x 6.5" white mod
Length		240 in.	288 in.
Width		98 in.	98 in.
Height (to jack feet)		10 in.	10 in.
Height (to trailer bed)		18 in.	18 in.
Height (to top of AC unit)		88.5 in.	88.5 in.
Stowed Height		82.5 in.	103.25 in.
Weight		4750 lbs.	10,150 lbs
Tongue Weight		626 lbs.	1,100 lbs
Electrical		12 volt, 6 pin connector	10,000 lb lift capacity
Jack (Drop Leg)		10,000 lb lift capacity	
Jack (Tongue)		2", 5000 lb	
Trailer Hitch		3" Pintle or 2 5/16" Ball	
Brakes		4 wheel hydraulic	



### Globecomm Systems Inc.

45 Oser Avenue • Hauppauge, NY 11788-3816 • USA  
Tel: 1-631-231-9800 • Fax: 1-631-231-1557  
Email: info@globecommsystems.com

### Globecomm Services Maryland

9898 Brewers Court • Laurel, MD 20723 • USA  
Tel: 1-877-452-5728

A little bit of satellite goes a long way.™

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