

StarCar™ – On-The-Move Vehicular SatCom Broadband

StarCar flat-panel vehicular Satcom broadband systems enable uncompromising, uninterrupted, On-The-Move real-time video, voice and high-speed data connectivity - in any terrain, off or on road, at any speed.

On-The-Move SatCom Broadband

For emergency, police, firefighting, search & rescue, Homeland Security, broadcasters, and military vehicles in the field – crucial moments without communications can mean the difference between mission success and failure.

In any terrain, off or on road, at any speed, anywhere on the globe – when uninterrupted, high-speed connectivity is mission-critical, rugged **StarCar** vehicular SatCom broadband systems deliver.

Uncompromising Communications

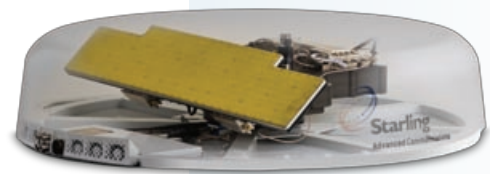
With a unique flat-panel design, **StarCar** sets new standards in compact size and weight, while still offering outstanding communications performance.

Even in the most remote locations, **StarCar** enables true infrastructure-independent multi-megabyte data connectivity - ideal for streaming video, voice and high-speed data transfer.

Leveraging the Ku band spectrum, **StarCar** features ultra-fast acquisition anywhere on the globe, seamless tracking and exceptional transponder efficiency that makes service interruptions a thing of the past, while still keeping satellite communications costs in check.

Easy Installation, Low Maintenance

Lightweight and versatile, low profile **StarCar** systems are easily and quickly installed on any vehicle – with only a single connection between external antenna and in-vehicle systems. Leveraging Starling's patented Coherent Multi-Panel Antenna (CoMPA™) technology, **StarCar** systems are easily-maintained and self-contained - with all electronics housed inside the antenna itself.



StarCar™

**FOR CIVILIAN
& MILITARY
APPLICATIONS**



StarCar Advantages

Uncompromising On-The-Move SatCom broadband for any vehicle, off or on road, at any speed, in any terrain

Ideal for streaming video, voice, and high-speed data connectivity

Ultra-fast satellite acquisition and exceptional tracking

Compact, lightweight, low-profile design

Easy installation and maintenance with single all-in-one package



StarCar™ StarCar™ 3100

Antenna		
Tx gain	33 dBi @ 14 GHz	36 dBi @ 14 GHz
Rx gain	32 dBi @ 11.7 GHz	35 dBi @ 11.7 GHz
EIRP [dBW]	44 dBW	47 dBW
G/T [dB/k]	11 dB/K° @ 11.7 GHz	14 dB/K° @ 11.7 GHz
Tx frequency [GHz]	14 - 14.5 GHz	14 - 14.5 GHz
Rx frequency [GHz]	10.7 - 12.75 GHz	10.7 - 12.75 GHz

Size & weight		
Antenna dimensions	18cm (7") x 88cm (35")	25cm (10") x 100cm (39")
Antenna weight (incl. ACU, HPA & all RF units)	27 Kg (60 lbs)	36 Kg (80 lbs)

Travel		
Elevation coverage	0° to 90°	
Azimuth	Continuous 360°	
Polarization	+/- 90°	

Tracking		
Azimuth velocity	100°/sec	
Azimuth acceleration	200°/sec ²	
Elevation velocity	50°/sec	
Elevation acceleration	100°/sec ²	

Position accuracy		
Azimuth	0.2°	
Elevation	0.4°	

Environmental		
Operational temperature	-30°C - 50°C	
Operational altitude	Up to 15,000 feet	
Humidity	100% RH, condensing @ 35°C	
Vibration	Per MIL-STD 810F method 514.4	
Shock	30g pulses, 11 mSec, saw tooth	

Interfaces		
RF (L-band)	Rx output, Tx input, N-Type connectors	
Ethernet	10/100Base-Tx Ethernet Per IEEE-802.3	
Power	28 VDC, power terminals up to 10 Amps maximum	
Compatible with all available modems		
Compliant with FCC & ITU requirements		

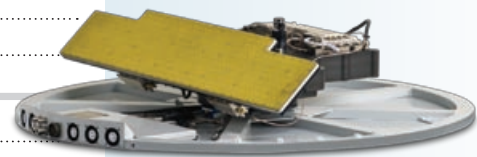
*All product specifications are subject to change without notice

About Starling Advanced Communications

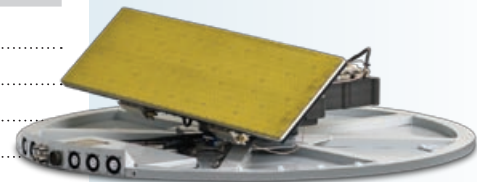
Starling Advanced Communications enables faster, more reliable and more efficient On-The-Move SatCom broadband connectivity - in the air, on land and at sea.

Founded in 2003, Starling develops and manufactures small, low-profile satellite-based communications antennas that enable full-featured broadband connectivity on any mobile platform. The company's CoMPA™ (Coherent Multi-Panel Antenna) technology enables data transmission and reception at high bit rates.

For more information, please visit www.starling-com.com.



StarCar™



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E-mail: starling@starling-com.com
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