

# High-Speed Satcom on the Move

Access satellite broadband without stopping to configure bulky equipment with the vehicle-mounted ThinSat 300. Stream videos, make calls and take high-speed connectivity to where cellular networks don't exist or aren't accessible.

## Key Features

- Tracks satellites at any vehicle speed
- Compatible with wide-beam and HTS Ku-band services
- GEO/LEO interoperability
- Supports broadcast-quality streaming
- High spectral efficiency (up to 2 bits/Hz)
- Mounts on standard vehicle roof racks
- No wasted time to deploy or stow
- Discreet, ultra-low profile at only 4.3" high



**ThinKom**

[www.thinkom.com](http://www.thinkom.com)

### Technical Specifications

#### Compatibility

Operating Band: Ku-band  
Constellations: GEO and LEO  
Satellite Services: Commercial; wide beam, HTS and XTS

#### Tracking and Agility

Initial Acquisition: 60 seconds (cold start)  
Re-acquisition After 3-minute Blockage: <1 second  
Azimuth Coverage: 360° continuous  
Elevation Coverage: +90° to +10° (depending on network)  
Beam Agility: Up to 100°/sec and 300°/sec<sup>2</sup>  
Tracking Accuracy: <0.2°  
Mobility: Maintains connectivity at highway speeds

#### Throughput and Performance

Data Rates: HD backhaul capable (up to 10 Mbps)  
EIRP: 47 to 50 dBW (45 dBW at 20° elev., 25W BUC)  
Tx Band: 13.75 to 14.50 GHz  
Rx Band: 10.70 to 12.75 GHz  
G/T: 10 to 13 dB/K (8 dB/K at 20° elev.)  
Network Efficiency: 1 to 2 bits/Hz  
Polarization: Tracking linear (co-pol or orthogonal-pol)  
X-pol Isolation: 30 dB typical

#### BUC

Integrated: 25W BUC  
Optional: External, higher-power amplifier up to 100W (Plin)

#### Power

Voltage: 110 VAC/60Hz or 220 VAC/50 Hz

#### Size and Installation

Dimensions: 59" x 39" x 4.3" (150 cm x 100 cm x 11 cm)  
Weight: 120 lbs. (55 kg, including BUC)  
Installation: Mounts on standard vehicle roof racks

#### Environmental

Operating Temperature: -22°F to +140°F (-30°C to +60°C)  
Storage Temperature: -40°F to +158°F (-40°C to +70°C)

#### Compliance and Certifications

Regulatory: FCC approved up to 18.4 dBW/4kHz  
Certification: FCC VMES 44 C.F.R 25.226

#### Applications

- Broadcast Media
- Homeland Security
- Intelligence/Surveillance
- Disaster Recovery
- Emergency Management
- Oil and Gas Operations

