

ThinSat[®]300

High Speed SATCOM On-the-Move



ThinKom

Global Connectivity

www.thinkom.com

Delivering High Performance Mobile SATCOM

ThinKom's rugged, ultra-low-profile 4.3 in (11cm), high throughput (up to 10 Mbps), transponder bandwidth efficient, SATCOM-on-the-Move (SOTM) antenna supports robust IP Networks, streaming video and VOIP. The ThinSat[®]300 provides a unique SOTM solution for News Media/Broadcast, Disaster Recovery, First Response, Homeland Security, Surveillance/Security, Trains, Public Transit and many others.

ThinSat[®] 300

General Information

Total Weight: 120 lbs.(55 Kg, Including BUC)
Size: 59" x 39" x 4.3" (150 cm x 100 cm x 11 cm)
Polarization: Dual Tracking Linear
Transmit Band: 13.75 - 14.5 GHz
Receive Band: 10.70 - 12.75 GHz
G/T: 10-13 dB/K (8 dB/K at 20° Elev)
EIRP: 49-52 dBW (47 dBW at 20° Elev, 40 W BUC)
Xpol Isolation: 30-35 dB

Acquisition and Track

Initial Acquisition: 60 seconds (Cold-start)
Re-acquisition after 3 minute blockage: 1 second
Track Speed/Agility: 100°/sec, 300°/sec²

Environmental

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

Mounting

Roof Rack-Mount compatible

Voltage / Power

110 VAC/60Hz or 220 VAC/50 Hz

BUC

Integrated 40 Watts
External 100 Watts

Features and Benefits

Low Profile, Light Weight and Simple Installation

Lowest profile commercially available SATCOM antenna in the world
Installs on any vehicle using standard roof rack

Efficient Transponder Bandwidth Utilization

Return Link Equivalent to 88cm x 36cm (35in x 14in) Parabolic
1-2 bits/Hz Return Link (no spreading required)
FCC approved up to 18.4 dBW/4kHz (FCC VMES 44 C.F.R 25.226)

High Data Rates

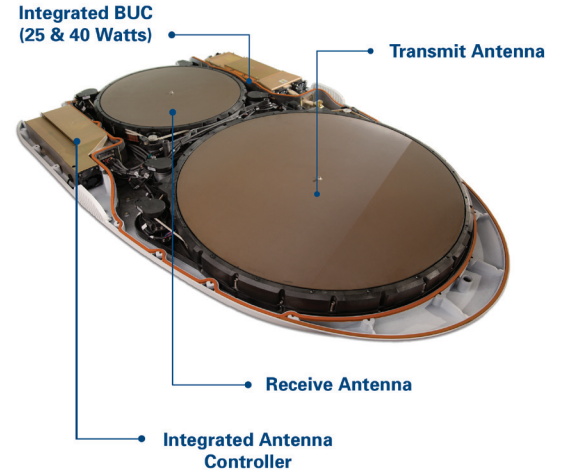
49-52 dBW EIRP with Internal 40W BUC (56 to 59 dBW with External BUC)
HD Back-Haul Capable (up to 10 Mbps)

Broadband World-Wide Coverage and Availability

Full International (Ku-band) Frequency Coverage
All-Latitude Availability with Full Equatorial, High-Skew, and
Near-Zenith Ops

Mobility

Maintain connectivity in-route at highway speeds.
Recover connectivity instantly after sustained blockages



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