

# Thuraya Active Hi-Gain Omnidirectional SATCOM Antenna

## Voice and GmPRS compatible

- High Gain version for extra long cables
- Active Antenna for Thuraya terminals with built-in active GPS antenna
- Covers full footprint without pointing (omni-directional)
- Optimized for Maritime use, but also suitable for land-based applications
- Mounting Bracket included
- Rugged design for reliable performance in harsh conditions
- Smooth surface low loss radome
- For use with: FDU-XT, SF2500, Seagull 5000(i), Hughes 7101, SO-2510, SG-2520, XT, FDU-2500, FDU-3500, SatTrans SAT-Office Docker, SAT-VDA Car Kit a.o.
- DC Feeder required, but not included – order separately depending on configuration
- Coaxial Cable Kits available - see "Ordering Information" - "P/N" (Other cables available)

60121-000, previously known as 60120, comes with bracket included

Note: Cable loss between 6 dB and 10.5 dB is recommended

[Mounting and Safety Instructions](#)



## ELECTRICAL SPECIFICATIONS

Frequency	1525 - 1559 MHz, 1626.5 - 1660.5 MHz, 1575.42 MHz
Impedance	50
Satellite System	Thuraya, GPS
Polarisation	LHCP
Axial ratio	< 6 dB
G/T, typ.	-22 dB/K
G/T, min.	-24 dB/K
EIRP, type.	7 dBW
EIRP, min.	5 dBW
LNA gain	GPS: 26 dB
Supply voltage	SAT: 10 - 24 VDC, GPS: 5 VDC
Power consumption, average	12 W
Power consumption, peak	26 W

## Datasheet

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## MECHANICAL SPECIFICATIONS

Color	White
Height	301 mm
Weight	1.7 kg (Antenna only)
Diameter	Ø 201 mm
Mounting	High grade AISI-316 stainless steel Mounting Bracket and mounting hardware included
Mounting Place	On pole with supplied Mounting Bracket and U-bolts
Mounting Instruction	For use with extra long cables (41 - 60 m). For cable lengths below 40 m use antenna P/N 60101-000
Materials	Silver anodized aluminium, PCB, Stainless steel, PTFE, ASA and brass
Operating Temperature	-25C to +55C
Survival Temperature	-40C to +80C
Connector	SAT: N-female
Connector2	GPS: TNC-female
Cable	See "Part No." (Other cables available)
Serial no.	On label

## ORDERING INFORMATION

P/N	60121-013 (Antenna including Mounting Bracket)
P/N	91001-070 (50 m Cable-Kit. SAT: N-male, GPS: SMA-male)
P/N	91002-070 (50 m Cable-Kit. SAT: N-male, GPS: TNC-male)

## PACKAGING INFORMATION

Type	Hardbox
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