

## Datasheet

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# Thuraya Active Omnidirectional SATCOM Antenna

Voice and GmPRS compatible

Features:

- 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)
- Cable-Kits are designed to comply with Thuraya specifications

60101-000, previously known as 60100, comes with mounting bracket included

Note: Cable loss between 3 dB and 7.5 dB is recommended

[Mounting and Safety Instructions](#)



## ELECTRICAL SPECIFICATIONS

Frequency	1525 - 1559 MHz, 1626.5 - 1660.5 MHz, 1575.42 MHz
Satellite System	Thuraya, GPS
Polarisation	LHCP
Axial ratio	< 6 dB
Gain	0 dBic
G/T	Typ. -22 dB/K Min. -24 dB/K
EIRP	Typ. 7 dBW Min. 5 dBW
LNA Gain	GPS: 26 dB
Supply voltage	SAT: 10 - 24 VDC, GPS: 5 VDC
Power Consumption	Ave: 12 W Max.: 26 W



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## MECHANICAL SPECIFICATIONS

Color	White
Height	301 mm
Weight	1.7 kg (Antenna only)
Diameter	201 mm
Mounting	High grade AISI-316 stainless steel Mounting Bracket and mounting hardware included
Mounting Place	On pole or rail with supplied Mounting Bracket and U-bolts
Mounting Instruction	Included
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 product label

ORDERING INFORMATION

60101-013	Antenna including Mounting Bracket
60101-043	Kit: Antenna + 69001-000 DC-Feeder SMA
60101-053	Kit: Antenna + 69002-000 DC-Feeder N
60101-063	Kit: Antenna + DC-Feeder + 20 m Cable-Kit SMA/SMA
60101-073	Kit: Antenna + DC-Feeder + 20 m Cable-Kit N/TNC
60101-083	Kit: Antenna + DC-Feeder + 20 m Cable-Kit FME/SMA
P/N	91001-010 (10 m Cable-Kit. SAT: N-male, GPS: SMA-male)
P/N	91001-020 (15 m Cable-Kit. SAT: N-male, GPS: SMA-male)
91001-030	20 m Cable-Kit. SAT: N-male, GPS: SMA-male
91001-040	25 m Cable-Kit. SAT: N-male, GPS: SMA-male
91001-050	30 m Cable-Kit. SAT: N-male), GPS: SMA-male
91001-060	40 m Cable-Kit. SAT: N-male, GPS: SMA-male
91002-010	10 m Cable-Kit. SAT: N-male, GPS: TNC-male
91002-XXX	Customer specified Cable-Kit with SAT: N-male, GPS: TNC-male as above

PACKAGING INFORMATION

Type	Hardbox
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