

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
Impedance	50
Satellite System	Thuraya, GPS
Polarisation	LHCP
Axial ratio	< 6 dB
Gain	0 dBic
G/T, typ.	-22 dB/K
G/T, min.	-24 dB/K
EIRP, typ.	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
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
Connector 2	GPS: TNC-female
Cable	See "Part No." (Other cables available)
Serial no.	On product label



Ordering information:

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

Packaging Information:

Type	Hardbox
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Outline Drawing

