

# 2.4m Vehicle Mounted Antenna

## SNG-240-F-xx-E

Temix Communications SNG-240-F-xx-E 2.4m Vehicle Mounted Antenna, roof and/or trailer mounted, are designed to answer to the hardest demands of reliable operations also in extreme environmental conditions with case studies from Arctic and Tropical regions to Desert areas worldwide.

Vehicle Mounted Terminals meet the more stringent Satellite Operators requirements. This antenna system, with fully motorized drive system and autopointing features, consists of a Segmented Carbon Fiber reflector and a robust mount that results in a high performance rigid antenna especially suited for hard environmental conditions.



### SPECIFICATIONS

PARAMETER	C-Band	X-Band	Ku-Band	Ka-Band
Polarization	Circular/Linear	Circular	Linear	Circular
Frequency Range (GHz)	Rx: 3.625-4.200 CP Rx: 3.600-4.200 LP Tx: 5.850-6.425	Rx: 7.25-7.75 Tx: 7.90-8.40	Rx: 10.70-12.75 Tx: 13.75-14.50	Rx: 19.20-21.20 Tx: 29.00-31.00
Gain (midband)	Rx: 37.4 dBi Tx: 41.5 dBi	Rx: 43.4 dBi Tx: 44.1 dBi	Rx: 47.1 dBi Tx: 48.7 dBi	Rx: 51.0 dBi Tx: 54.5 dBi
G/T (20°EL, Clear Sky)	18.7 dB/K (20K LNB NT)	22.7 dB/K (0.7dB LNB NF)	26.5 dB/K (0.8dB LNB NF)	28.0 dB/K (1.6dB LNB NF)
Cross Pol Isolation	> 30dB on axis	///	> 30dB on axis	///
Axial Ratio	< 1.3 dB	< 2.0 dB	///	< 1.2 dB
Isolation Tx/Rx	85/85 dB	90/110 dB	90/35 dB	85/85 dB
Insertion Loss Tx/Rx	0.25/0.25 dB	0.4/0.45 dB	0.25/0.25 dB	0.3/0.4 dB
Return Loss Tx/Rx	> 17dB typ.	> 17dB typ.	> 17dB typ.	> 17dB typ.
Feed Power Handling	400W	400W	400W	250W
Mount Geometry	Elevation over Azimuth; Motorized 2/3-axes, handcrank for manual adjust.			

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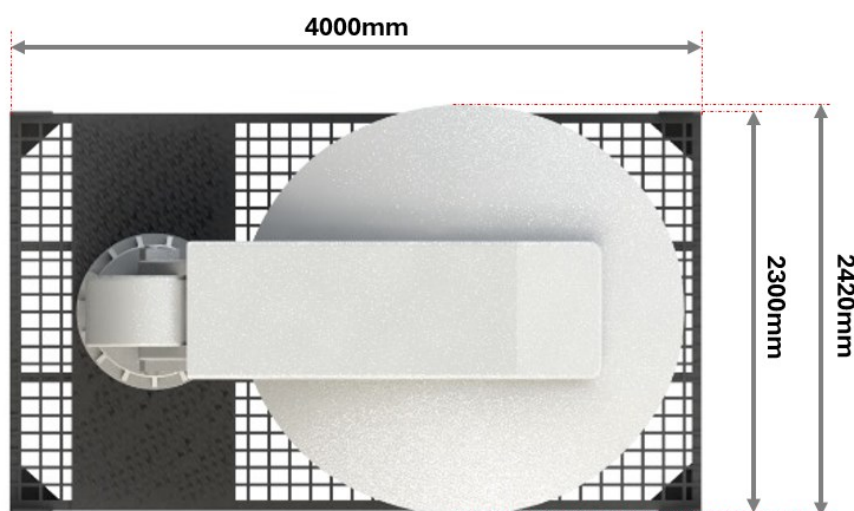
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### SPECIFICATIONS

PARAMETER		
Mount Geometry	Elevation over Azimuth; Motorized 2/3-axes, handcrank for manual adjust.	
Main Dish	Carbon Fiber	
Travel Range	AZ: +/-180°; EL: 10° to 90°; POL: +/-90° (Linear Polarization)	
Drive Speed	AZ: 0.1°/sec to 3°/sec; EL: 0.1°/sec to 1°/sec; POL: 1°/sec	
Controller	Rack Mount, Fully Automatic, Stow & Deploy, Peaking and Tracking (with Ste-Track), Inclined Orbit Satellites Tracking; includes GPS & Compass, Angle Transducers and Hardware Limit Switches.	
Power Consumption	< 1KW (not including equipment), 230Vac 50Hz	
Environmental		
Wind Speed	Operational 70km/h; Survival 90km/h deployed; 130km/h stowed/folded	
Temperature	Operational -20°C/+50°C; Storage -30°C/+60°C (option: -32°C/+55°C; Storage -40°C/+70°C)	
Humidity	100% condensing	
Altitude	Up to 5000m	
Weight & Dimension	< 410Kg (without BUC/TWT, LNB integration) Length: 4000 mm; Width: 2420 mm; Height: 800 mm	
Colors	White RAL9010 gloss 5 (standard); Green, Desert or other colors optional	
Legenda	xx= CC	C-Band Circular Polarization
	xx= CL	C-Band Linear Polarization
	xx= IL	C-Band INSAT Linear Polarization
	xx= XC	X-Band Circular Polarization
	xx= KU	Ku-Band Linear Polarization
	xx= AC	Ka-Band Circular Polarization



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