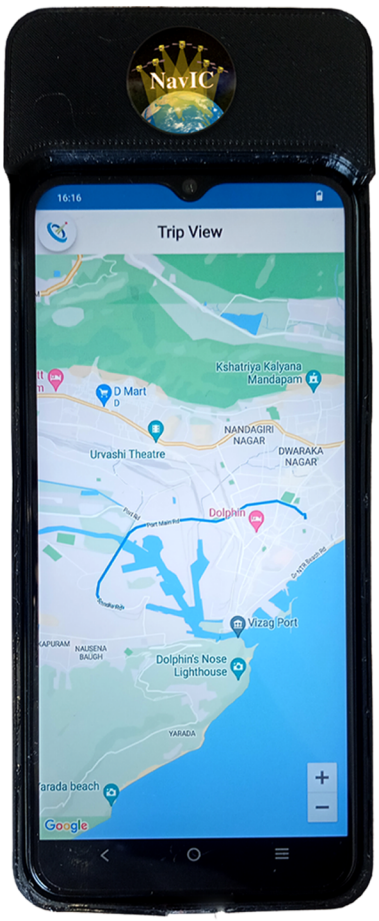
NavIC Handheld Navigator

A state-of-the-art Elena Handheld Navigator (EHHN) with cutting-edge technology that provides precise and reliable multi-GNSS based navigation using the NavIC (Navigation with Indian Constellation) system.



The EHHN facilitates the exploring of new frontiers with ease of navigation and unlocking a plethora of applications.

Powered by advanced technology and built with utmost precision, the EHHN offers an exceptional user experience. It combines the power of multi-GNSS reception, including NavIC (IRNSS) (L5 Band), GPS (L1), GLONASS (L1), and SBAS, ensuring robust & accurate positioning in diverse environments.

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Technical Specifications of NavIC Handheld Navigator

Ser No	Parameter	Specifications
1.	**GNSS**	• NavIC (IRNSS) L5 • GPS L1 • GLONASS L1
2.	**SBAS**	GAGAN
3.	**Signal Bands**	L1, L5
4.	**No of Channels**	Supports 135 channels
5.	**Update Rate**	1 Hz default, up to 10 Hz
6.	**Sensitivity**	
	Cold Start	-153 dBm
	Tracking	-163 dBm
7.	**Acquisition Time**	
	TTFF (Time to First Fix)	< 40 s
	Cold Start (open sky)	< 25 s
	Hot Start (open sky)	1 to 2 s
8.	**Positioning Accuracy**	
	Horizontal	1 m CEP
	Vertical	3 m CEP
9.	**Max. Altitude**	< 18,000 m
10.	**Max. Velocity**	< 500 m/s
11.	**Protocol Support**	NMEA 0183 ver 4.11
12.	**Electrical Parameters**	
	Charging Voltage	5.0 V DC
	Battery backup	12 h
13.	**Temperature**	
	Operating	-10 °C to +50 °C
	Storage	-20 °C to +60 °C
14.	**Dimensions**	195.4 mm x 84.3 mm x 12.4 mm
15.	**Weight**	280 g
16.	**EMI/EMC Protection**	Circuit shielded

Note: This specification applies to Industrial-grade product.
MIL-grade product can also be provided.