MTi-630

- Small, IP51-rated AHRS
- 0.2 deg roll/pitch, 1 deg heading accuracy
- Full Graphical User Interface (GUI) and
- Software Development Kit (SDK) available

The MTi-630 is an Attitude and Heading Reference System with a small form-factor design for deep integration into your application. Building on the proven Xsens MTi 600-series technology it enables a robust and easy to use orientation tracking. It is designed for easy integration and seamless interfacing with other equipment.

The MTi-630 is supported by the MT Software Suite which includes MT Manager (GUI for Windows/Linux), SDK, example codes and drivers for many platforms including ROS.



- White label and OEM integration options available
- 3D models available on request

Sensor Fusion Performance		Mechanical	
Roll, Pitch	012 409 14 10	IP-rating	
Yaw/Heading	1 deg RMS	Operating Temperature	
Strapdown Integration (SDI)	Yes	Casing material	
Gyroscope			— No restriction, full 360° in all axes
Standard full range	2000 deg/s	Dimensions	
In-run bias stability		Connector	Main: Phoenix Contact 16 pin, 1.27 mm
Bandwidth (-3dB)			pitch
Noise Density		Weight	
g-sensitivity (calibr.)		Certifications	CE, FCC, RoHS
Accelerometer		Electrical	
Standard full range	— 10 g	Input voltage	4.5 to 24V
In-run bias stability	209	Power consumption (typ) —	<0.5 W
Bandwidth (-3dB)		Interfaces / IO	
Noise Density		Interfaces	UART, CAN, RS232
Magnetometer		Sync Options	SyncIn, SyncOut, ClockSync
Standard full range		Protocols	Xbus, ASCII (NMEA) or CAN
Total RMS noise		Clock drift	10 ppm (or external)
Non-linearity		Output Frequency	Up to 2 kHz, 400 Hz SDI
Resolution		Built-in-self test	Gyr, Acc, Mag, Baro
Barometer		Software Suite	
Standard full range	300-1250 hPa	GUI (Windows/Linux)	MT Manager, Firmware updater,
Total RMS noise			Magnetic Field Mapper
Relative accuracy		SDK (Example code)	C++, C#, Python, Matlab, Nucleo,
,			public source code
This descent is informational and we hit if		Drivers	LabVIEW, ROS, GO
This document is informational and not binding.		Support	Online manuals, community and

Complete and detailed specifications are available at **mtidocs.movella.com**

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knowledge base