



LOCOSYS



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Human & Cars Seamless Positioning

Solution

Platform

Module

Automotive Dead Reckoning Technology

The LOCOSYS **ST-1612i-DB/DG** Dead Reckoning (DR) module is the perfect solution for automotive application. The **ST-1612i-DB/DG** is embedded 3D accelerometer, 3D gyroscope Micro-Electro-Mechanical Systems (MEMS) sensor, equipped with DR software, and powered by STMicroelectronics Teseo III.

	GNSS					Memory		Interface	Application	Dimension(mm)			
	GP	QZSS	GA	GL	BD	Flash	ROM						
GNSS Module													
MTK													
MC-1010-2RE	●	●					○	UART	① ③ ④	10.1 x 9.7 x 2.0			
MC-1513-2RE	●	●					○	UART	① ④	15 x 13 x 2.2			
MC-1612-2RE	●	●					○	UART	② ③ ④	16 x 12.2 x 2.2			
MC-1613-2RE	●	●					○	UART	② ④	15.9 x 13.1 x 2.2			
MC-1010	●	●				○		UART	① ③ ④	10.1 x 9.7 x 2.0			
MC-1513	●	●				○		UART/I ² C	① ④	15 x 13 x 2.2			
MC-1612	●	●				○		UART	② ③ ④	16 x 12.2 x 2.2			
MC-1613	●	●				○		UART	② ④	15.9 x 13.1 x 2.2			
MC-1010-B/-G	●	●	●	●	●	○		UART	① ③ ④	10.1 x 9.7 x 2.0			
MC-1513-B/-G	●	●	●	●	●	○		UART/I ² C	① ④	15 x 13 x 2.2			
MC-1612-B/-G	●	●	●	●	●	○		UART	② ③ ④	16 x 12.2 x 2.2			
MC-1612-B2/-G2	●	●	●	●	●	○		UART	② ④	16 x 12.2 x 2.2			
MC-1612A-B2/-G2	●	●	●	●	●	○		UART	② ④	16 x 12.2 x 2.2			
MC-1613-B/-G	●	●	●	●	●	○		UART	② ④	15.9 x 13.1 x 2.2			
MC-1722-DB/-DG	●	●	●	●	●	○		UART/I ² C/USB/CAN Bus	②	22.4 x 17 x 2.2			
STMicro													
ST-1612-G	●	●	●	●		○		UART/I ² C/USB/CAN Bus	②	16 x 12.2 x 2.2			
ST-1612-T	●	●	●	●		○		UART/I ² C/USB/CAN Bus	② ⑤	16 x 12.2 x 2.2			
ST-1612-B2/-G2	●	●	●	●	●	○		UART/CAN Bus	① ② ④	16 x 12.2 x 2.3			
ST-1612-DB/-DG	●	●	●	●	●	○		UART/CAN Bus	②	16 x 12.2 x 2.3			
ST-1722A-DB/-DG	●	●	●	●	●	○		UART/CAN Bus	②	22.4 x 17 x 2.2			
HED													
HD-1010	●	●				○		UART	① ②	10.1 x 9.7 x 2.0			
HD-1612	●	●				○		UART	②	16 x 12.2 x 2.2			
HD-1010-BA	●	●			●	○		UART	① ②	10.1 x 9.7 x 2.0			
HD-1612-BA	●	●			●	○		UART	②	16 x 12.2 x 2.2			
CSR (SiRF)													
S4-0606	●	●					○	UART/I ² C/SPI	①	6 x 6 x 1.35			
S4-1513-2R	●	●					○	UART	②	15 x 13 x 2.2			
S4-1612-2R	●	●					○	UART	②	16 x 12.2 x 2.2			
S4-1513-2E	●	●				○		UART	②	15 x 13 x 2.2			
S4-1612-2E	●	●				○		UART	②	16 x 12.2 x 2.2			
S5-0707-2R	●	●		●			○	UART	①	7.15 x 7.15 x 1.8			
S5-1010-2R	●	●		●			○	UART	①	10.1 x 9.7 x 2.0			
S5-1612-2E	●	●		●		○		UART	②	16 x 12.2 x 2.2			
Tecthotop													
TD-1612-DB	●	●			●		○	UART/I ² C	②	16 x 12.2 x 2.4			
Combo Module													
MTK													
GB-1916-C	●	●	●	●	●	○		UART	① ②	19 x 16 x 1.9			
GGB-1916-C	●	●	●	●	●	○	○	UART	① ②	19 x 16 x 1.9			
High-Precision													
MTK													
RTK-4671	●				●		<0.5°	USB/UART	① ② ④	71 x 46 x 7.6			

※ **Application** : ① HandHeld ② Automotive ③ Drone ④ Marine ⑤ Timing

Specifications are subject to change without notice.

Mini PCIe Module	GNSS					Memory		Interface	※ Application		Dimension(mm)
	GP	QZSS	GA	GL	BD	Flash	ROM				
MTK											
LS26030/31-2RE	●	●					○	USB	① ②		50.8 x 28.5 x 3.2
LS26030/31	●	●				○		USB	① ②		50.8 x 28.5 x 3.2
LS26030-B/-G	●	●	●	●	●	○		USB	① ②		50.8 x 28.5 x 3.2
GNSS Smart Antenna											
	GNSS					Memory		Interface	※ Application		Dimension(mm)
	GP	QZSS	GA	GL	BD	Flash	ROM				
MTK											
LS2003x-2RE	●	●					○	USB/UART/RS232	① ② ③ ④		30 x 30 x 8
LS2003x	●	●				○		USB/UART/RS232	① ② ③ ④		30 x 30 x 8
LS2003x-B/-G	●	●	●	●	●	○		USB/UART/RS232	① ② ③ ④		30 x 30 x 8
STMicro											
LS2009G-G	●	●	●	●		○		UART/RS232	① ② ④		30 x 30 x 8
LS2009G-T	●	●	●	●		○		UART/RS232	① ② ⑤		30 x 30 x 8
LS2009G-B2/-G2	●	●	●	●	●	○		UART/RS232	① ②		30 x 30 x 8
u-blox											
LS2007xU	●	●					○	USB/UART/RS232	① ② ③ ④		30 x 30 x 8
LS2007xU-B/-G	●	●	●	●	●	○	○	USB/UART/RS232	① ② ③ ④		30 x 30 x 8
LS20070P	●	●					○	USB		⑤	30 x 30 x 8
LS20070P-B/-G	●	●	●	●	●	○	○	USB		⑤	30 x 30 x 8
MTK											
LS2003C-2RE	●	●					○	UART	① ②		15.5 x 15.5 x 6.6
LS2003C	●	●				○		UART	① ②		15.5 x 15.5 x 6.6
LS2003C-B/-G	●	●	●	●	●	○		UART	① ②		15.5 x 15.5 x 6.6
MTK											
LS2003D-2RE	●	●					○	UART	① ②		21 x 17 x 7.2
LS2003D	●	●				○		UART	① ②		21 x 17 x 7.2
LS2003D-B/-G	●	●	●	●	●	○		UART	① ②		21 x 17 x 7.2
MTK											
LS2003E-2RE	●	●					○	UART	① ②		22 x 22 x 7.5
LS2003E	●	●				○		UART	① ②		22 x 22 x 7.5
LS2003E-B/-G	●	●	●	●	●	○		UART	① ②		22 x 22 x 7.5
MTK											
LS2003H-2RE	●	●					○	UART	①		14 x 9.6 x 1.93
MTK											
LS2003J-2RE	●	●					○	UART	①		16 x 12.2 x 2.6
LS2003J-G	●	●	●	●		○		UART	①		16 x 12.2 x 2.6
CSR (SiRF)											
LS2022A	●	●				○		UART	①		17 x 6 x 6.25
LS20229-A	●	●				○		UART	①		12 x 12 x 5.9

GNSS Mouse	GNSS					Interface	Connector	Application	Dimension(mm)
	GP	QZSS	GA	GL	BD				
MTK									
LS2303x-2RE	●	●				USB/RS232	USB/PS2/RJ11	② ③ ④	49 x 41 x 14.1
LS2303x	●	●				USB/RS232	USB/PS2/RJ11	② ③ ④	49 x 41 x 14.1
LS2303x-B/-G	●	●	●	●	●	USB/RS232	USB/PS2/RJ11	② ③ ④	49 x 41 x 14.1
u-blox									
LS2307xU	●	●				USB/RS232	USB/PS2/RJ11	② ③ ④	49 x 41 x 14.1
LS2307xU-B/-G	●	●	●	●	●	USB/RS232	USB/PS2/RJ11	② ③ ④	49 x 41 x 14.1
LS23070P	●	●				USB	USB	② ③ ④ ⑤	49 x 41 x 14.1
LS23070P-B/-G	●	●	●	●	●	USB	USB	② ③ ④ ⑤	49 x 41 x 14.1
STMicro									
LS2309x-G	●	●	●	●		RS232	PS2/RJ11	②	49 x 41 x 14.1
LS2309G-B2/-G2	●	●	●	●	●	RS232	PS2/RJ11	② ④	49 x 41 x 14.1



B310(GPS+BDS)/G310(GPS+GLONASS)

Product Introduction

B310/G310 Embedded Box, in a true sense, achieves positioning accuracy and provides important information like car engine speed, water temperature, fuel, speed, battery power and etc.

It keeps the positioning of vehicle all the way seamless and within 1.5 meters of precision, regardless of in urban canyon or in the tunnel.

Working together with its APP management software, B310/G310 is perfect for corporate rental cars, fleet management and armored cars with valuables and so on.

IATF
16949

GW-60

Tracking every step you make & knowing how fast you are .



FEATURES

- ◆ Top 10 speed smart record
- ◆ Intelligent session speed report
- ◆ 10-seconds average speed display
- ◆ Multi-functional push button operation
- ◆ High sensitivity GPS performance
- ◆ Rechargeable lithium-ion battery
- ◆ Time mode (Alarm, Timer, Stopwatch)
- ◆ Google Earth KML/GPX format support
- ◆ Built in flash memory to store 1,000,000 GPS logged points
- ◆ Waterproof 50 m / 5 ATM



CE FC

Worldwide Connection



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