

Bosch Sensortec BMI160

6-Axis MEMS IMU

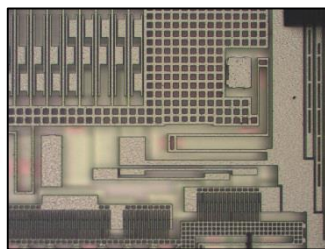
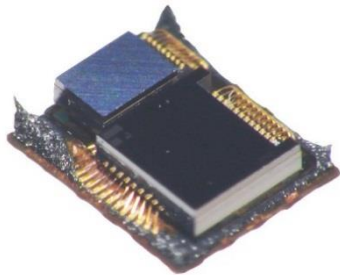
New 6-Axis Inertial unit from Bosch, with a very low power consumption accelerometer and a footprint of only 3x2.5mm²

Bosch is now the top MEMS supplier with a production of more than 4 millions MEMS per day. This strong growth is due to both consumer applications and automotive applications.

With a size of only 7.5mm² (3x2.5mm), the BMI160 is the smallest 6-Axis IMU MEMS on the market and features **60% volume reduction** compared to previous BMI055. This size reduction has been made possible by the use of a **new design and process for the MEMS Gyro** and by the integration in **one ASIC die** for the control of both MEMS. The BMI160 is a 16-bit digital resolution accelerometer and gyroscope well suited for applications requiring extremely small form factors.

Bosch has worked on the power consumption with a low power mode for the significant motion and step detector functions, using a "7-axis" accelerometer. Moreover, the unique ASIC die can perform the fusion of the data from the accelerometer and gyroscope with those from an external sensor.

The report is including a detailed technical and cost comparison with the previous generation **BMI055** and the state of the art 6-Axis MEMS IMU from **Invensense**.



REVERSE COSTING ANALYSIS
REPORT BY 

Bosch Sensortec BMI160
177 pages
March 2015
Pdf file
Xls file

PRICE :

Full report: EUR 2,990
Technology report: EUR 1,990

COMPLETE TEARDOWN WITH:

- Detailed Photos
- Precise Measurements
- Material Analysis
- Manufacturing Process Flow
- Supply Chain Evaluation
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Consumer 6-Axis MEMS IMU Cost Comparison
(Bosch Sensortec BMI055 & BMI160, Invensense)

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Please process my order for "Bosch Sensortec BMI160 6-Axis MEMS IMU" Reverse Costing Analysis:

Ref.: SP15210

Full Reverse Costing report: EUR 2,990*

Technology Analysis** report: EUR 1,990

*For price in dollars please use the day's exchange rate

*All reports are delivered electronically in pdf format

*For French customer, add 20 % for VAT

** Technology Analysis report contains only Physical Analysis & Manufacturing Process Flow

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The present document is valid 6 months after its publishing date: March 5th, 2015.

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ABOUT SYSTEM PLUS CONSULTING

System Plus Consulting specializes in the **cost analysis** of electronics, from **semiconductor devices** to **electronic systems**, and has developed a complete range of services and costing tools to provide **in-depth production cost studies** and to estimate the **objective selling price** of a product.

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- ✓ Power Price+ for any power component or module

- ✓ PCB Price+ for printed circuit boards
- ✓ SYS.Cost for electronic boards and systems

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- ✓ LED CoSim+
- ✓ Power CoSim+
- ✓ TSV CoSim+ (thru silicon vias)
- ✓ Sapphire CoSim+

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