



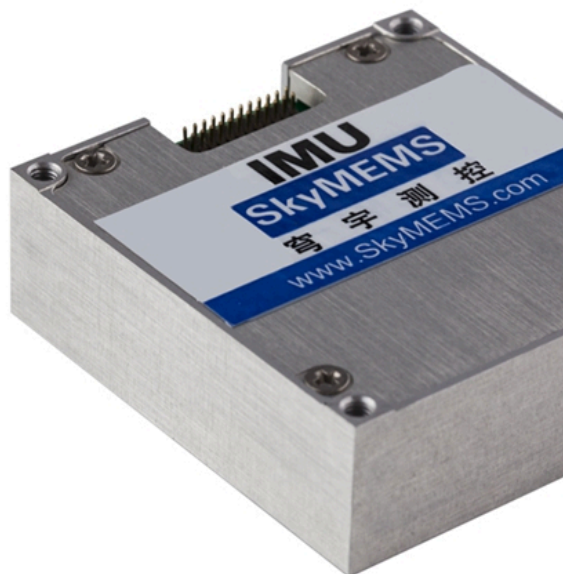
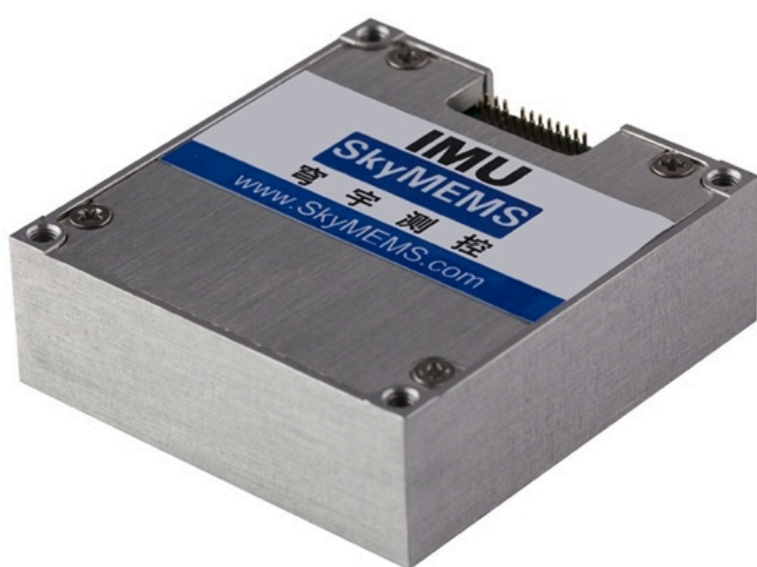
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[Tactical Inertial Measurement Unit  
Compatible with ADIS16488 IMU688](#)

(<https://www.skymems.com/products/tactical-inertial-measurement-unit-compatible-with-adis16488-imu688/>)



## Tactical Inertial Measurement Unit Compatible With ADIS16488 IMU688

- Precision 6 DoF MEMS Inertial Measurement Unit
- Compatible with ADIS16488A interface and protocol
- Dynamic Range: gyro  $\pm 450^\circ/\text{s}$ , acc  $\pm 16\text{g}$  (ODM supported)

- Acc Bias Instability: 0.03mg, Gyro Bias Instability: 3°/h (Allen)
- Ability to Access with GNSS, Aerospace Level Reliability
- Full Temperature Range Calibration and Compensation
- Compact size: 47\*44\*15mm



Contact



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## Product Categories



## Brief Introduction

## Technical Specifications

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## Typical Application

# Product Advantages

## FAQ

Q: How long is the delivery time of the products?

A: Usually we have stock for every type of products, if the product that you selected we have in stock, then we only need to re-test it before leaving the factory, so the delivery time is around 1~2 days; if we don't have them in stock, then we need to arrange the production, the delivery time will be around 2 weeks. For the customer-oriented design products, our engineers will give the approximate delivery time according to the technical requirements.

Q: If needing to do the customer-oriented design product, what procedures will be followed?

A: If you want to do the customer-oriented design product, please contact with our pre-sale technical support engineer, or enter our ODM service in [skymems.com](http://skymems.com), and write down the technical requirements online, our engineers will contact with u asap after we get your requirements. Then we will clarify the technical specs together, and confirm the customer requirements together, then start to do the sample developing.

Q: How about the payment conditions?

A: we accept 30% prepayment in advance, and the balance 70% payment before the delivery. For the customer-oriented design product, the payment will be discussed together.

Q: How long is the product warranty?

A: Usually, our product warranty is one year. If you want to have longer warranty period, please contact with your sales manager to buy longer warranty service. Our products enjoy very high quality, and its MTBF is more than 100000hours.

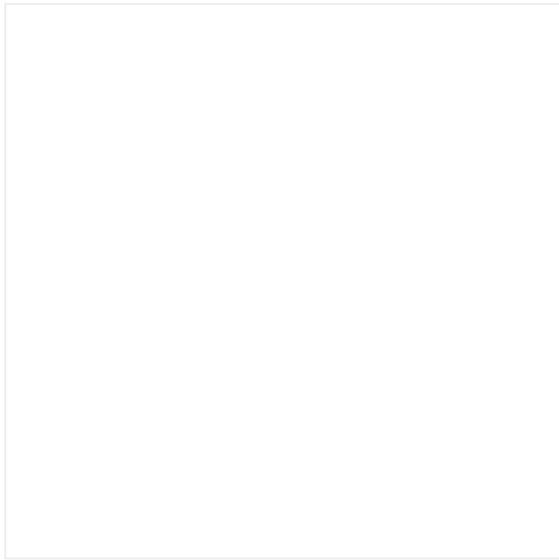
Q: How will we do if the product has the quality problem?

A: Our products have passed very strict tests before delivery, so it is very low probability to have quality problem. If our products have quality problem (not caused by man-made factors) in the warranty period, our factory will arrange the free repair. If the product can't repair well, we will arrange to provide a new one. If the product is out of warranty time, we will provide the repair only charging the material cost.

Q: What fast express will be adopted during shipping?

A: we will select fast expresses such as DHL, UPS, FEDEX, TNT etc. according to customer's requirements.

## Related Products

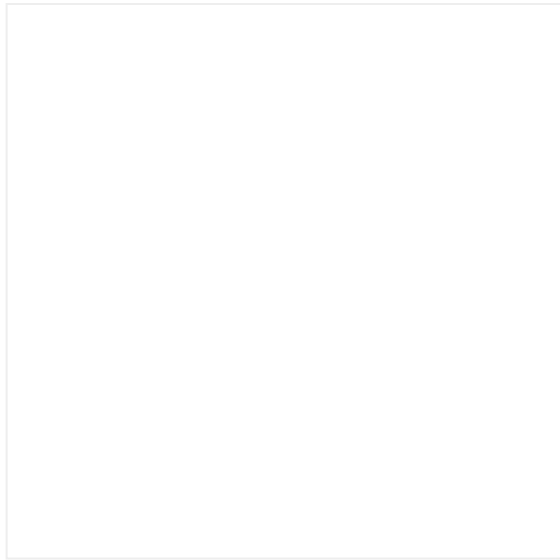


### IMU80 6DoF Mini IMU

(<https://www.skymems.com/products/imu80-6dof-mini-imu/>)

Read more

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### IMU90 High Precision 6DoF Mini IMU

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Read more

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### IMU188 I

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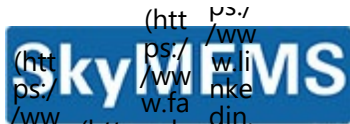
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## CateGories

- › Inertial Measurement Unit(/product-category/imu/)
- › Elctronic Compass(/product-category/e-compass/)
- › Fiber Optic Gyro(/product-category/fiber-optic-gyro/)
- › MEMS Accelerometer(/product-category/mems-accelerometer/)
- › Tilt Sensor(/product-category/inclinometer/)
- › Integrated Navigation System(/product-category/gnss-ins/)

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R&D(/rd/)

ODM(/odm/)

QC(/qc/)

Success Cases(/success-cases/)

## News

**What is a fiber optic gyro, and how does it work? (https://www.skymems.com/what-is-a-fiber-optic-gyro-and-how-does-it-work/)**

2026-02-05

**What is the difference between MEMS and piezo accelerometers? (https://www.skymems.com/what-is-the-difference-between-mems-and-piezo-accelerometers/)**

2026-01-23

**What is the difference between a fiber optic gyro and a ring laser gyro? (https://www.skymems.com/what-is-the-difference-between-a-fiber-optic-gyro-and-a-ring-laser-gyro/)**

2026-01-16

