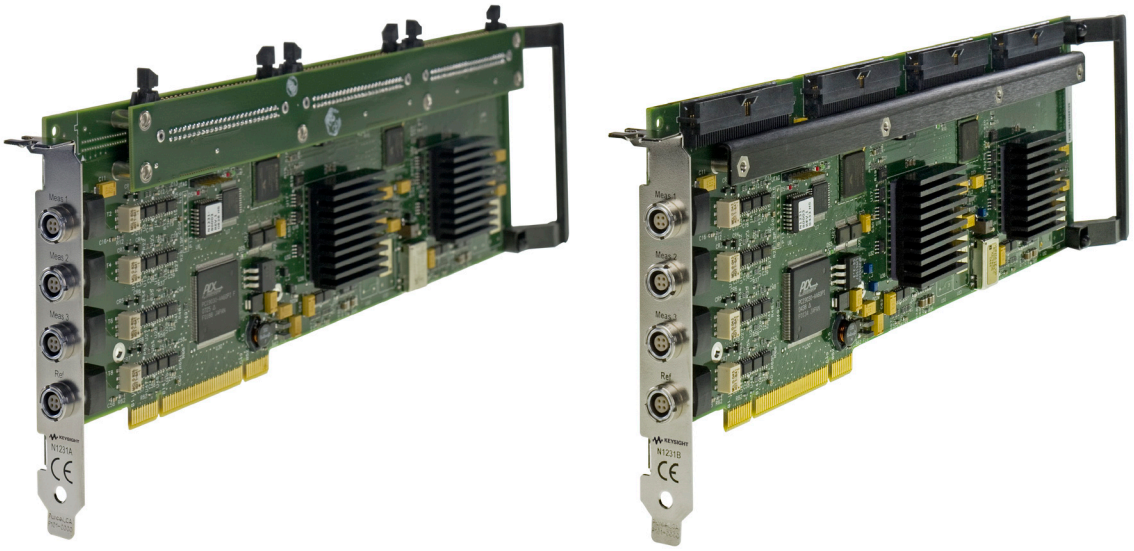
Product Fact Sheet

Keysight N1231A, N1231B PCI Three-Axis Laser Axis Boards

The Keysight Technologies, Inc. N1231A, N1231B PCI three-axis laser axis boards each contain three laser interferometer measurement axes. The simple API software provides program access to the high resolution position data generated on the board. The high data rate hardware interface ports enable easy connection with off-the-shelf or custom servo control and data acquisition systems.



Keysight N1231A/B PCI Three-Axis Laser Axis Boards

Key features

- High reliability and exceptional repeatability reduce downtime
- High hardware update rates reduce timing uncertainty
- High resolution measurements improve servo system performance
- Flexible hardware IO ports enable simple connection to user's system

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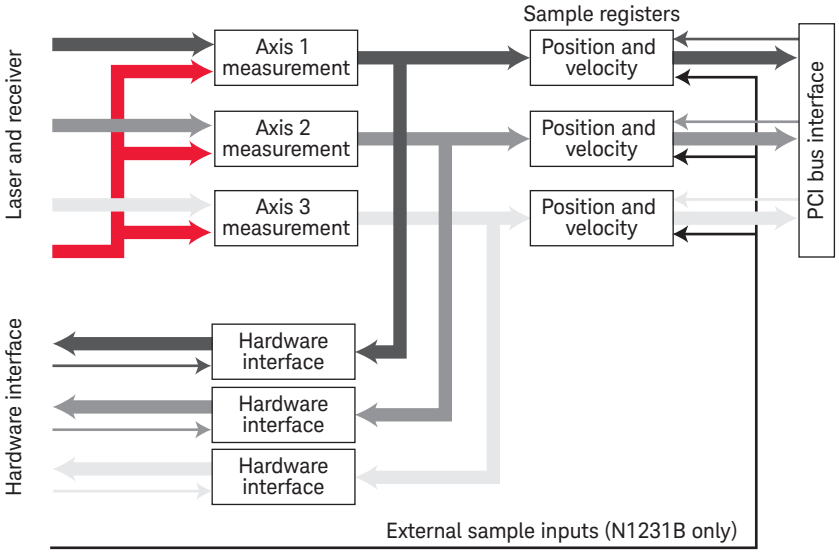
Product specifications

Model	Hardware update rate	Resolution with plane mirror optics	Maximum stage velocity with plane mirror optics and 5517FL laser head	Special functions	Hardware output ports optimized for connection with
N1231A	20 MHz	0.3 nm	1000 mm/s	–	Delta Tau PMAC/UMAC
N1231B	20 MHz	0.15 nm	1000 mm/s	External sample inputs	Custom or Generic Data Acquisition or Servo systems

Basic Block Diagram



Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

Recommended options

- N1231*-101 Manual
- N1231*-200 API library software and monitor program
- R-51B-501 Return-to Agilent Repair Agreement

For more details on Keysight interferometry systems, components and ordering information please visit www.keysight.com/find/lasers

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