

DISCONTINUATION OF THE AT-A2150

The AT-A2150 is being discontinued. You will not be able to order this product after December 15, 1999, and you must accept delivery no later than December 31, 1999. No warranty repairs will be authorized after December 31, 2000.

Important Dates

Final Order: December 15, 1999
Final Delivery: December 31, 1999
Final RMA: December 31, 2000

Alternative Solutions

The PCI-4452 and the NI 4552 for PCI are functionally similar to the AT-A2150, and either board may be used as an alternative, but there are important differences between these boards and the AT-A2150: The PCI-4452 and the NI 4552 for PCI have a different pinout, different I/O connectors, require different I/O cables than the AT-A2150, and are PCI-bus devices.

The PCI-4452 and the NI 4552 for PCI require NI-DAQ 6.1 or higher and Windows NT/98/95. The latest version of NI-DAQ ships with the board. If you are a register-level programmer, programs created for the AT-A2150 will require substantial modifications to work with the PCI-4452 or NI 4552 for PCI. If you do not want to upgrade your driver software or modify existing programs, and continue using the AT-A2150, you must place an order to fulfill your future requirements of the AT-A2150 kit no later than December 15, 1999.

About the PCI-4452 and NI 4552 for PCI

The PCI-4452 and NI 4552 are high-performance, high-accuracy analog input devices for the PCI bus. These PCI-DSA Series devices are specifically designed for demanding dynamic signal acquisition applications, and have the features and high-quality specifications to acquire or generate signals with high accuracy and fidelity without introducing noise or out-of-band aliases.

Both products have four channels of 16-bit simultaneously sampled input at 204.8 kS/s. The analog input circuitry has oversampling delta-sigma modulating converters as in the AT-A2150. Delta-sigma converters are inherently linear, provide built-in brick-wall anti-aliasing/imaging filters, and have specifications that exceed other conventional technology for this application with regard to THD, SNR, and amplitude flatness.

The PCI-4452 and the NI 4552 include many of the same features as the AT-A2150 as well as these additional features:

- Analog input
 - Differential input
 - Extended input bandwidth to 95 kHz
 - Software-selectable sample rate from 5 to 204.8 kS/s in increments of 190.7 μ S/s
 - Software selectable gain from -20 to $+60$ dB in 10 dB steps
 - Extended input voltage ranges from ± 10 mV to ± 42.4 V
 - Overvoltage protection
 - Overload detection
- Additional features
 - Digital I/O
 - PCI bus

The NI 4552 for PCI differs from the PCI-4452 in some ways. The NI 4552 for PCI is a computer-based, real-time Zoom FFT analyzer; the PCI-4452 is a standard data acquisition device and works with the same software as the MIO E Series products. The NI 4552 for PCI will provide real-time signal processing through an instrument driver or VirtualBench DSA. The PCI-4452 and NI 4552 for PCI are not compatible with existing NI-DSP code.

For More Information

If you have any questions about purchasing more AT-A2150 boards, contact your local National Instruments sales representative. If you have any questions about replacing the AT-A2150 with the PCI-4452 or NI 4552 for PCI, contact the National Instruments Applications Engineering department or visit our web site at www.natinst.com.



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