NMIB-4006
2-CHANNEL, 14-BIT SERIAL ADCs

The NMIB-4006 Analog-to-Digital Converter Card, in the 2.5"x3.5" mini enclosure.The MAX110 analog-to-digital converters use an internal auto-calibration technique to achieve 14-bit resolution plus overrange, with no external components.The MAX110 operates with + 5V and -5V supplies and converts single-ended or differential analog signals in the -3V to +3V range. Internal calibration allows for both offset and gain-error correction under microprocessor control.

FEATURES

- 14-Bit Resolution Plus Sign and Overrange.
- Two Differential Input Channels.
- 0.03% Linearity.
- Low Power Consumption.
- High input Impedance
- Up to 50 Conversion/sec
- 50Hz/60z Rejection
- Auto-Calibration Mode
- 10 V @ 10ma DC excitation for 1 CH
- No external Components Required
- On board included MAX232, MAX479, LM662 & LP2950, MAX110ACPE
- Generated +5V and -5V separate from power supply to reduce noise.
- External single supply +5V or +12V require
- MiniDin6 and MiniDin8 for easy connection
- Wall mounting and potted enclosure capability.

APPLICATIONS

- Process Control
- Weigh Scales
- Panel Meters
- Data-Acquisition Systems
- Temperature Measurement

The NMIB-4006 is a low-cost, 2-Channel, +/- 14Bit Serial ADCs system in mini enclosure and ready to run dedicated applications. Only the addition of the user programming in the external Microprocessor required. The NMIB-4006 makes a very cost effective solution.