

## ZY61101 8-channel Synchronous Data ADC Acquisition Card

- Standard PXI bus 3U module (front wiring)
- 8- channel differential analog input
- Resolution: 16bit, sampling rate: 1MSPS, support 3 trigger resources , 3 sampling modes
- Channels isolated from each other, channels separated from bus



### Product Description

8-channel synchronous data ADC acquisition card is an isolated synchronous data acquisition card containing 8-channel analog input, and the digital isolation technology is adopted to realize the mutual isolation between channels. The analog channels mutually isolated from the system bus, it can achieve synchronization, high speed and high precision data acquisition of 8-channel analog signals. Its strong function can meet various industry testing and measuring requirements and its excellent compatibility is applicable to various system configurations.

The 32M SDRAM memorizer is used to store ADC acquisition data. In the high-speed ADC sampling process, the data storage time is longer, so NATE1-301 can more easily handle the multi-channel ADC data converting to ensure that the data will not be lost.

### Performance Parameters

Input channel.....8- channel differential, isolated from each other  
Acquisition rate..... 1MSPS (Max)  
Resolution.....16bit  
FIFO.....32M×16bit  
Power input range..... ± 10V gain available

### Working Environment

Temperature range..... -40℃ ~ +85℃  
Relative humidity ..... 5%~ 85%RH, no condensation

### Typical Applications

Construction of automatic test system  
Data acquisition and recording system  
Control simulation system development