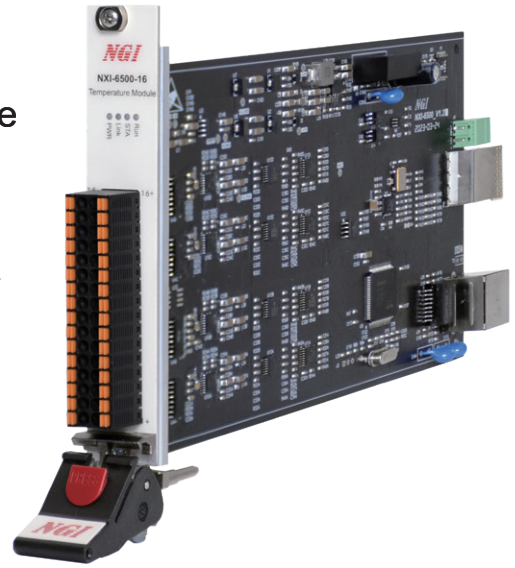


NXI-6500-16

Thermocouple Temperature Acquisition Module

Product Introduction

NXI-6500-16 is a multi-channel, highly integrated thermocouple temperature acquisition module that supports K, J, E, S, T, R, N and other thermocouple sensors and multi-channel polling. A single module can simultaneously collect 16-channel temperature data, which can effectively reduce the space and cost of integrated system.



Application Fields



Industrial Production



Aerospace Industry



Automotive Manufacturing



Thermal Power Generation

Main Features

- 16-channel thermocouple temperature acquisition
- Support K, J, E, S, T, R, N and other thermocouple
- Temperature measurement resolution: 0.02°C
- Temperature measurement accuracy: $\pm 0.5^{\circ}\text{C}$
- Maximum sampling rate: 10S/s
- Support multi-channel polling for temperature data acquisition
- Single module with single slot, applicable to NXI-F1000 chassis or independent use
- Support 12V DC power supply input, LAN communication for individual control
- Support LAN communication, and Modbus-RTU, SCPI protocols

Technical Data Sheet

Model	NXI-6500-16
Channels	16
Temperature Measurement Range	Support K, J, E, S, T, R, N thermocouple
Max. Sampling Rate	10S/s
Resolution	0.02°C
Measurement Accuracy (23±5°C)	±0.5°C
Input Impedance	20MΩ
Channel Scan Mode	Asynchronous Cyclic Scan
Temperature Drift Coefficient	40ppm/°C
Others	
Test Terminal	Screw-free plug-in connector, 2*16pin
Operating Power	12VDC±10%, <0.5A
Communication Interface	LAN
Temperature	Working temperature: 0°C~40°C; Storage temperature: -20°C~60°C
Operating Environment	Altitude: <2000m; Relative humidity: 5%~90% (no condensation); Operating air pressure: 80~110kPa
Dimensions	130.5mm (H) *20mm (W) *230.5mm (D) (with puller)

Note 1: For more and latest information, please contact NGI.

Note 2: For other specifications, please contact NGI.