

ADAM-3618

4-ch Thermal Couple Module

Caution:

When connecting jumpers or installing the card, you should disconnect the power to prevent surges damaging sensitive electronic components.

Packing List

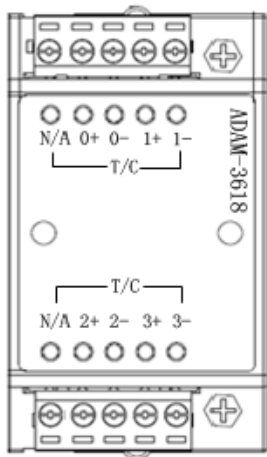
Before installation, make sure that you have received the following:

- ADAM-3618 Product
- ADAM-3618 Startup Manual

If anything is missing or damaged, contact your distributor or sales representative immediately.

Overview

As ADAM-3600 Extension I/O, ADAM-3618 is a 16-bit, 4-channel analog input module that provides temperature signal acquisition. This module is extremely cost-effective solution for industrial measurement and monitoring applications



Notes

For more information on this and other Advantech products, please visit our websites at:

<http://www.advantech.com>

For technical support and service:

<http://www.advantech.com/support/>

This startup manual is for ADAM-3618

Part No: 2003A61800

1st Edition

May 2016

Specifications

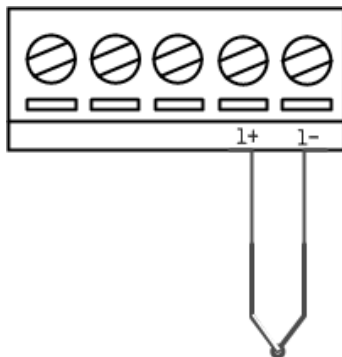
System Functions

- **Analog Input Channels:** 4 differential
- **Input Types:** J, K, T, E, R, S, B
Type Thermocouple
- **Resolution:** 16-bit
- **Accuracy:** Refer to below
- **Isolation Voltage:** 2000 V_{DC}
- **Burn-out Detection:** Yes
- **Power Consumption:** 1w
- **Operation Temp.:** -40 ~ 70°C
- **Warranty:** 2 years

TC type range & Accuracy

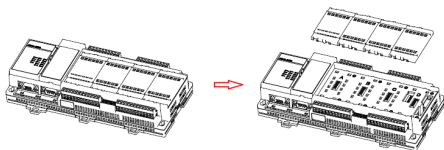
Type	Range	Accuracy @ 25°C
J	0~760 °C	±2.5°C
K	0~1370°C	±2.5°C
T	-100~400°C	±2 °C
E	0~1000°C	±2.5°C
R	500~1750°C	±2.5°C
S	500~1750°C	±2.5°C
B	500~1800°C	±3°C

Application Wiring

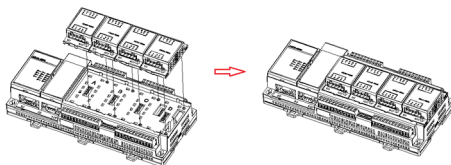


Installation

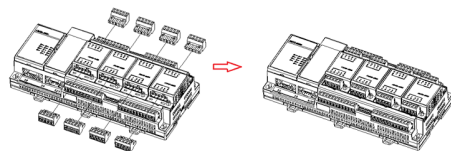
1. Remove the cover of extension slot on the ADAM-3600-C



2. Install ADAM-3618 on the extension slot, please note that the connector must be perfectly match, and then fix the two screws.



3. Fix the terminal block



Software and User Manual

The TagLink Studio is for completing ADAM-3600 and its extension I/O configuration and management. The PC operation system is Windows XP/Windows 7. The software installation package as well as user's manual can be acquired from the following path: <http://www.advantech.com/>