

1746-NT4/B

Allen-Bradley (Rockwell Automation) · SLC 500 / Bulletin 1746

The Allen-Bradley 1746-NT4 is a 4-channel thermocouple/millivolt analog input module for the SLC 500 platform. It accepts J, K, T, E, R, S, B and N thermocouples plus +/-50 mV and +/-100 mV signals, with built-in cold-junction compensation.

Manufacturer: Allen-Bradley (Rockwell Automation)

Brand: Allen-Bradley

Part Number/Catalog No.: 1746-NT4/B

Base Catalog: 1746-NT4

Series Suffix: B

Product Type: Thermocouple/Millivolt Input Module

Product Family: SLC 500 / Bulletin 1746

Model-Specific Specifications:

4 thermocouple/mV inputs + CJC

types J/K/T/E/R/S/B/N and +/-50/+100 mV

16-bit converter

60 mA @ 5V, 40 mA @ 24V

0-60 C

Series / Family Common Specifications:

Modular systems mount modules in a 1746 chassis (1746-A4/-A7/-A10/-A13) with 4/7/10/13 slots; all chassis are panel-mount.

The 1746 chassis backplane supplies 5.1V DC @ 10A and 24V DC @ 2.88A power bus to all modules.

Family operating temperature 0 to 60 °C; storage -40 to 85 °C; 5-95% RH non-condensing.

I/O modules draw 5V DC logic via backplane; field-side load power needs an external supply.

Removable terminal blocks for field wiring; Bulletin 1492 pre-wired interface available.

Not hot-swappable: do not install/remove/wire with power applied. Slot 0 reserved for processor or 1747-ASB adapter.

Lifecycle Status: Discontinued

Discontinuation Date: Not specified (official Rockwell doc lists Bulletin 1746 I/O as discontinued; no per-module date published)

Recommended Replacement: Migrate to Compact 5000 I/O / ControlLogix analog (e.g., 1756-IF8)