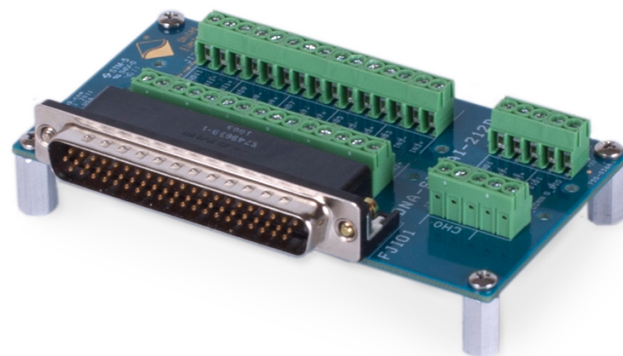


# DNA-STP-AI-212

## PowerDNA Thermocouple Input Terminal Panel

- Supports DNx-AI-212 analog input layer
- Embedded CJC sensor with calibration
- Uses high-accuracy ADT 7420 temp sensor
- Small form factor – 2.2" x 4.0" (5.6 cm x 10.1 cm) – allows direct connection to I/O board
- Wide -40 °C to +100 ° operating temp range
- Low cost
- Easy to use, no jumpers or user configuration required



### General Description:

The DNA-STP-AI-212 is a screw-terminal panel designed to allow users to connect thermocouples to the DNx-AI-212 analog input board. The small form factor (2.2" x 4") is ideal when building large systems. The board can actually be installed directly to the DNx-AI-212 board, though in this configuration care should be taken to avoid excessive loads on the connectors.

The CJC sensors used are the highly accurate, fully digital ADT 7240 series and provide 0.2 °C max, 0.002° C typical accuracy over the range from -10 °C to + 85 °C.

### Technical Specifications:

Number of channels	12
CJC sensor	ADT 7420
CJC error	0.0017 °C typical, ± 0.20 °C max
-10 °C to + 85 °C	± 0.25 °C max
-20 °C to + 105 °C	± 0.31 °C max
-40 °C to + 105 °C	
Operating temp range	-40 °C to + 105 °C
Physical dimensions	2.2" x 4.0" (5.6 cm x 10.1 cm)
Operating humidity	0 - 95%, non-condensing

### Ordering Guide:

Part #	Description
<a href="#">DNA-STP-AI-212</a>	Screw Terminal Panel for the DNA-AI-212 when used with thermocouples
<a href="#">DNA-CBL-37</a>	Ribbon 37 conductor cable (3 foot standard, other lengths available)
<a href="#">Extended Warranty</a>	Option to purchase UEI's extended 5 year warranty is available