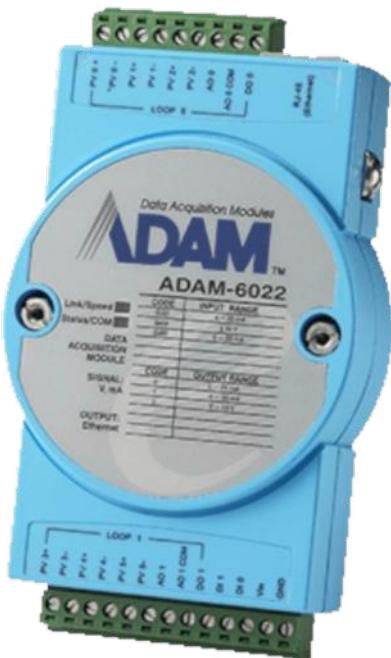# ADAM-6022

Dual-loop PID Controller Module

General

- **Certification:** CE, FCC, UL
- **LAN:** 10/100Base-T(X)
- **Connectors:**
    - 1 x RJ-45 (LAN)
    - 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Input:** 10 ~ 30 VDC
- **Power Consumption:** 4 W @ 24 VDC
- **Watchdog Timer:** System (1.6 s) & Communication
- **Supports Modbus/TCP, TCP/IP, UDP, RESTful Protocols**
- **Loop Number:** 2 (3 AI, 1 AO, 1 DI, 1 DO for each loop)

Protection

- **Isolation Protection:** 2000 VDC
- **DI Over Voltage Protection:** 35 VDC
- **Built-in TVS/ESD Protection**
- **Power Reversal Protection**

Environment

- **Operating Humidity:** 20 ~ 95% RH (non-condensing)
- **Storage Humidity:** 0 ~ 95% RH (non-condensing)
- **Operating Temperature:** -10 ~ 50°C (14 ~ 122°F)
- **Storage Temperature:** -20 ~ 80°C (-4 ~ 176°F)

Analog Input

- **Channels:** 6 differential
- **Input Type:** V, mA
- **Input Range:** ±10VDC, 0~20mA, 4~20mA
- **Input Impedance:** 20 MΩ
- **Accuracy:** ±0.1% FSR
- **Resolution:** 16-bit
- **Sampling Rate:** 10 samples/sec
- **CMR @ 50/60 Hz:** 90 dB
- **NMR @ 50/60 Hz:** 60 dB
- **Span Drift:** ± 25 ppm/°C
- **Zero Drift:** ± 6 µV/°C

Analog Output

- **Channels:** 2
- **Output Type:** V, mA
- **Output Range:** 0~10VDC, 4~20mA, 0~20mA
- **Accuracy:** ±0.1% of FSR
- **Resolution:** 12-bit
- **Drift:** ±50 ppm/°C
- **Current Load Resistor:** Max. 500 Ω
- **Voltage Load Resistor:** Min. 1 KΩ

Digital Input

- **Channels:** 2
- **Logic level 0:**
    - **Dry Contact:** Close to GND
    - **Wet Contact:** 0 ~ 3VDC
- **Logic level 1:**
    - **Dry Contact:** Open
    - **Wet Contact:** 10 ~ 30VDC

Digital Output

- **Channels:** 2
- **Type:** Open Collector
- **Load Voltage:** up to 30V
- **Max Load Current:** 100mA
- **Power Dissipation:** 300mW for each module