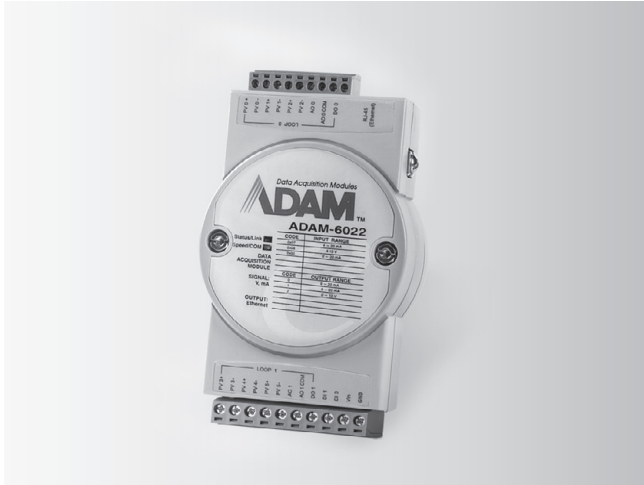


ADAM-6022

ADAM-6024

Ethernet-based Dual-loop PID Controller

12-ch Isolated Universal Input/Output Modbus TCP Module



ADAM-6022



Specifications

General

- **Loop Number** 2 (3 AI, 1 AO, 1 DI, 1 DO for each control loop)

Analog Input

- **Channels** 6 (differential)
- **Input Range** $\pm 10 V_{DC}$, 0 ~ 20 mA, 4 ~ 20 mA

Analog Output

- **Channels** 2
- **Output Type** V, mA
- **Output Range** 0 ~ 10 V_{DC} , 4 ~ 20 mA, 0 ~ 20 mA

Digital Input

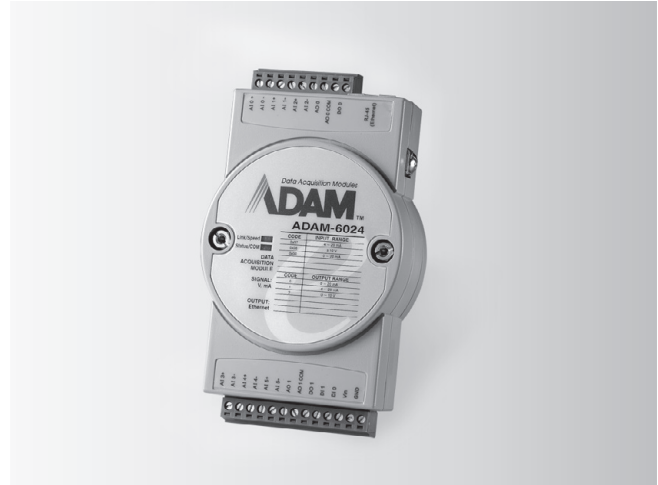
- **Channels** 2
- **Dry Contact** Logic level 0: close to GND
Logic level 1: open
- **Wet Contact** Logic level 0: 0 ~ 3 V_{DC}
Logic level 1: 10 ~ 30 V_{DC}

Digital Output

- **Channels** 2, open collector to 30 V, 100 mA max. load
- **Power Dissipation** 300 mW for each module

Ordering Information

- **ADAM-6022** Ethernet-based Dual-loop PID Controller



ADAM-6024



Specifications

Analog Input

- **Channels** 6 (differential)
- **Input Range** $\pm 10 V_{DC}$, 0 ~ 20 mA, 4 ~ 20 mA

Analog Output

- **Channels** 2
- **Output Type** V, mA
- **Output Range** 0 ~ 10 V_{DC} , 4 ~ 20 mA, 0 ~ 20 mA

Digital Input

- **Channels** 2
- **Dry Contact** Logic level 0: close to GND
Logic level 1: open
- **Wet Contact** Logic level 0: 0 ~ 3 V_{DC}
Logic level 1: 10 ~ 30 V_{DC}

Digital Output

- **Channels** 2, open collector to 30 V, 100 mA max. load
- **Power Dissipation** 300 mW for each module

Supports

- **Peer-to-Peer (Receiver only)**
- **GCL (Receiver only)**

Ordering Information

- **ADAM-6024** 12-ch Isolated Universal I/O Modbus TCP Module

Common Specifications

General

- **Certification** CE, FCC, UL
- **LAN** 10/100Base-T(X)
- **Power Consumption** 4 W @ 24 V_{DC}
- **Connectors** 1 x RJ-45 (LAN), Plug-in screw terminal block (I/O and power)
- **Watchdog** System (1.6 second) and Communication (programmable)
- **Power Input** 10 ~ 30 V_{DC}
- **Supports Modbus/TCP, TCP/IP, UDP, RESTful (D version), MQTT (D version), SNMP (D version)**

Analog Input

- **Input Impedance** 20 M Ω
- **Accuracy** $\pm 0.1\%$ of FSR
- **Resolution** 16-bit
- **Sampling Rate** 10 sample/second
- **CMR @ 50/60 Hz** 90 dB
- **NMR @ 50/60 Hz** 60 dB
- **Span Drift** ± 25 ppm/ $^{\circ}$ C
- **Zero Drift** ± 6 μ V/ $^{\circ}$ C

Analog Output

- **Accuracy** $\pm 0.1\%$ of FSR
- **Resolution** 12-bit
- **Drift** ± 50 ppm/ $^{\circ}$ C
- **Current Load Resistor** Max. 500 Ω
- **Voltage Load Resistor** Min. 1K Ω

Protection

- **Isolation Protection** 2,000 V_{DC}
- **Built-in TVS/ESD Protection**
- **DI Over Voltage Protection** 35 V_{DC}
- **Power Reversal Protection**

Environment

- **Operating Temperature** -10 ~ 50 $^{\circ}$ C (14 ~ 122 $^{\circ}$ F)
D version: -40 ~ 70 $^{\circ}$ C (-40~158 $^{\circ}$ F)
- **Storage Temperature** -20 ~ 80 $^{\circ}$ C (-4 ~ 176 $^{\circ}$ F)
D version: -40 ~ 80 $^{\circ}$ C (-40~176 $^{\circ}$ F)
- **Operating Humidity** 20 ~ 95% RH (non-condensing)
- **Storage Humidity** 0 ~ 95% RH (non-condensing)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [I/O Modules](#) category:

Click to view products by [Advantech](#) manufacturer:

Other Similar products are found below :

[70L-IDC5S](#) [70L-OAC-L](#) [70Z3289-4](#) [G21960000700](#) [G21960002700](#) [G34960002700](#) [OACU](#) [C4SWOUT](#) [PB16H](#) [G34960001700](#) [G3TA-OA101SZ-1](#) [DC24](#) [G77-S](#) [5607189](#) [DA5](#) [ODC-24A](#) [IDC5P](#) [FC6A-N16B1](#) [6421](#) [70MRCQ32-HL](#) [G3TAOD201SDC24](#) [C200H-LK201-V1](#)
[G3TA-OA202SZ-US](#) [DC12](#) [GT1-OD16](#) [GT1-AD04CST](#) [B7AM-6BS](#) [70GRCQ24-HS](#) [6422](#) [84110410](#) [GT1-OD16MX](#) [G7VC-OC16-B7](#)
[70MRCK24-DIN](#) [6202](#) [6402](#) [PI/NI-2D/24](#) [FC6A-J2C1](#) [FC6A-KC1C](#) [FC6A-R081](#) [FC6A-J8CU1](#) [GP32900003700](#) [641-480-5022](#) [PB16H](#)
[84145010](#) [84110210](#) [FRUSB1601](#) [PCL-720+-BE](#) [FRRJ451601](#) [AP24MX3DB25F](#) [ADAM-5053S-AE](#) [WISE-S614-A](#) [C200H-OD211](#)