

# APAX-5070 APAX-5071 APAX-5072

Modbus/TCP Communication Coupler

PROFINET Communication Coupler

EtherNet/IP Communication Coupler



## Specifications

### General

- **Certifications** CE, FCC class A
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 190 g
- **Connector** 2 x RJ-45 (2-channel switch, share same IP address)
- **Power Consumption** 2 W @ 5 V<sub>DC</sub> (typical)

### Communication

- **Protocol** Modbus/TCP
- **Connected I/O Modules** 32 (max.)\*
- **Digital Signals** 2048 (max.)
- **Analog Signals** 512 (max.)
- **Data Transfer Rates** 10/100 Mbps
- **Topology** Line or star
- **Isolation Protection** 1,500 V<sub>AC</sub>

### Environment

- **Operating Temperature** -10 ~ 55° C (mounted vertically)
- **Storage Temperature** -40 ~ 85° C
- **Relative Humidity** 5 ~ 95% (non-condensing)
- **Shock Protection** 10 G @ wall mount, half sine, 11 ms (Confirms to IEC 60068-2-27)
- **Vibration Protection** 1 Grms @ 5 ~ 500 Hz (Random, operating, 1 hr/axis)  
2 G @ 5 ~ 500 Hz (Sine, non-operating, 1 hr/axis) (Confirms to IEC 60068-2-64 and IEC 60068-2-6)

## Ordering Information

- **APAX-5070-AE** Modbus/TCP Communication Coupler

### Accessories

- **APAX-5002-AE** 2-slot Backplane Module
- **APAX-5343E-AE** Power Supply for APAX Expansion Module

## Specifications

### General

- **Certifications** CE, FCC class A
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 180 g
- **Connectors** 2 x RJ-45 (2-channel switch, share same IP address)
- **Power Consumption** 2 W @ 5 V<sub>DC</sub> (typical)

### Communications

- **Protocol** PROFINET RT, DCP, DHCP, TCP/UDP, DNS, SNMP, ICMP
- **Connected I/O Modules** 32 (max.)\*
- **Digital Signals** 2048 (max.)
- **Analog Signals** 512 (max.)
- **Data Transfer Rates** 100 Mbps
- **Topology** Line or star

### Environment

- **Operating Temperature** -10 ~ 55° C (mounted vertically)
- **Storage Temperature** -40 ~ 85° C
- **Relative Humidity** 5 ~ 95% (non-condensing)
- **Shock Protection** 10 G @ wall mount, half sine, 11 ms (Confirms to IEC 60068-2-27)
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2 G @ 5 ~ 500 Hz (Sine, non-operating, 1 hr/axis) (Confirms to IEC 60068-2-64 and IEC 60068-2-6)

## Ordering Information

- **APAX-5071-AE** PROFINET Communication Coupler

### Accessories

- **APAX-5002-AE** 2-slot Backplane Module
- **APAX-5343E-AE** Power Supply for APAX Expansion Module

## Specifications

### General

- **Certifications** CE, FCC class A
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 180 g
- **Connectors** 2 x RJ-45 (2-channel switch, share same IP address)
- **Power Consumption** 2 W @ 5 V<sub>DC</sub> (typical)

### Communications

- **Protocol** EtherNet/IP
- **Connected I/O Modules** 32 (max.)\*
- **Digital Signals** 2048 (max.)
- **Analog Signals** 512 (max.)
- **Data Transfer Rates** 10/100 Mbps
- **Topology** line or star
- **Isolation Protection** 1,500 V<sub>AC</sub>

### Environment

- **Operating Temperature** -10 ~ 55° C (mounted vertically)
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2 G @ 5 ~ 500 Hz (Sine, non-operating, 1 hr/axis) (Confirms to IEC 60068-2-64 and IEC 60068-2-6)

## Ordering Information

- **APAX-5072-AE** EtherNet/IP Communication Coupler

### Accessories

- **APAX-5002-AE** 2-slot Backplane Module
- **APAX-5343E-AE** Power Supply for APAX Expansion Module

\*APAX DI/O modules can use ID number 0 ~ 31, while AI/O modules and counter modules can only use ID numbers 0 ~ 15