

APAX-5070 APAX-5071 APAX-5072

Modbus/TCP Communication Coupler

PROFINET Communication Coupler

EtherNet/IP Communication Coupler



Specifications

General

- **Certification** 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_{DC} (typical)

Communication

- **Protocol** Modbus/TCP
- **Connected I/O Modules** 32 (max.)*
- **Digital Signals** 768 (max.)
- **Analog Signals** 192 (max.)
- **Data Transfer Rates** 10/100 Mbps
- **Topology** Line or star
- **Isolation Protection** 1,500 V_{AC}

Environment

- **Operating Temperature** -10 ~ 60°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** Modbus/TCP Communication Coupler

Specifications

General

- **Certification** CE, FCC class A
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 180 g
- **Connector** 2 x RJ-45 (2-channel switch, share same IP address)
- **Power Consumption** 2 W @ 5 V_{DC} (typical)

Communication

- **Protocol** PROFINET RT V2.2
- **Connected I/O Modules** 32 (max.)*
- **Digital Signals** 768 (max.)
- **Analog Signals** 192 (max.)
- **Data Transfer Rates** 10/100 Mbps
- **Topology** Line or Star

Environment

- **Operating Temperature** -10 ~ 60°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-5071** PROFINET Communication Coupler

Specifications

General

- **Certification** 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_{DC} (typical)

Communications

- **Protocol** EtherNet/IP
- **Connected I/O Modules** 32 (max.)*
- **Digital Signals** 768 (max.)
- **Analog Signals** 192 (max.)
- **Data Transfer Rates** 10/100 Mbps
- **Topology** Line or star
- **Isolation Protection** 1,500 V_{AC}

Environment

- **Operating Temperature** -10 ~ 60°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-5072** EtherNet/IP Communication Coupler

Accessories

- **APAX-5002** 2-slot Backplane 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