APAX-5070
APAX-5072
APAX-5071

Modbus/TCP Communication Coupler

EtherNet/IP Communication Coupler

PROFINET Communication Coupler

APAX-5070 | Modbus-IDA | RoHS COMPLIANT 2002/95/EC | CE FCC

APAX-5072 | EtherNet/IP | RoHS COMPLIANT 2002/95/EC | CE FCC

APAX-5071 | PROFINET | RoHS COMPLIANT 2002/95/EC | CE FCC

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
- **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

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
- **APAX IO 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

Accessories

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

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

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All product specifications are subject to change without notice