

APAX-5202P

APAX-5090P

APAX-5095P

2-port AMONet Master Module

4-port RS-232/422/485 Communication Module

2-port CANopen Communication Module



Specifications

General

- **Certifications** CE, FCC class A
- **Interface** 2 x AMONet (Half duplex RS-485 with transformer isolation)
- **Connectors** RJ-45
- **LED Indicators** Active, Error for each port
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 180 g
- **Power Consumption** 2 W @ 5 V_{DC} (typical)

Communications

- **Transmission Speed** 2.5, 5, 10 or 20 Mbps (with automatic data flow control)
- **Slaves Number** 64 max. (1 Ring)
128 max. (2 Rings)
- **Distance Limit** 100 m max. (20 Mbps, 32 slaves)
50 m max. (20 Mbps, 64 slaves)

Protection

- **Surge Protection** 10 kV

Environment

- **Operating Temperature** -10 ~ 55° C (mounted vertically)
- **Storage Temperature** -40 ~ 70° C
- **Relative Humidity** 5 ~ 95% (non-condensing)

Ordering Information

- **APAX-5202P** 2-port AMONet Master Module

Specifications

General

- **Certifications** CE, FCC class A
- **Interface** COM 1, COM 2: RS-422/485
COM 3, COM 4: RS-232/422/485
- **Connectors** 1 x 26-pin clamp-type terminal
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 180 g
- **Power Consumption** 2 W @ 5 V_{DC} (typical)

Communications

- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **Parity** None, even, odd
- **Baud Rate** 50 bps ~ 230.4 kbps
- **Data Signals** RS-232: TxD, RxD, RTS, CTS, GND
RS-422: Tx+, Tx-, Rx+, RX-
RS-485: Data+, Data-
- **FIFO** 128 bytes
- **Flow Control** RTS/CTS, Xon/Xoff

Protection

- **ESD Protection** 15 kV
- **EFT Protection** 2,500 V_{DC}
- **Isolation Protection** 2,500 V_{DC} (between COM port and backplane)

Environment

- **Operating Temperature** -10 ~ 55° C (mounted vertically)
- **Storage Temperature** -40 ~ 70° C
- **Relative Humidity** 5 ~ 95% (non-condensing)

Ordering Information

- **APAX-5090P** 4-port RS-232/422/485 Communication Module

Specifications

General

- **Certifications** CE, FCC class A
- **Interface** 2 x CANopen
- **Connectors** DB9
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 180 g
- **Power Consumption** 2 W @ 5 V_{DC} (typical)

Communications

- **Protocol** CANopen (CiA DSP341)
- **Speed** 10, 20, 50, 125, 250, 500, 800, 1,000 kbit/s

- **Supports PDO transmission mode**
- **Supports NMT and SDO communication object**
- **Supports Heartbeat producer and consumer**
- **Supports Emergency objects**

Protection

- **Isolation Protection** 2,500 V_{DC}

Environment

- **Operating Temperature** -10 ~ 55° C (mounted vertically)
- **Storage Temperature** -40 ~ 70° C
- **Relative Humidity** 5 ~ 95% (non-condensing)

Ordering Information

- **APAX-5095P** 2-port CANopen Module

Note: APAX-5202P, APAX-5090P and APAX-5095P must be inserted on the slots of APAX-5570/5571 controller for usage