

APAX-5490

APAX-5090

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

4-port RS-232/422/485 Virtual COM with APAX Bus

NEW



APAX-5490



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Specifications

General

- **Certification** CE, FCC class A
- **Interface** COM 1, COM 2: RS-232/422/485
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)
- **LED Indicators** TX, RX
- **Support OS** Windows / Linux (Linux Kernel 2.6.32 and newer)
- **Operation Mode** Standard COM
- **Bus Connector** PCIe

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, GND
RS-422: Tx+, Tx-, Rx+, RX-
RS-485: Data+, Data-
- **FIFO** 256 bytes
- **Flow Control** Xon/Xoff
- **Maximum Support** 2 pcs with one controller (on APAX-5402L)

Protection

- **ESD Protection** 8KV (air), 4KV (contact)
- **EFT Protection** 2,000 V_{DC} (Power Line)
- **Isolation Protection** 2,500 V_{DC} (between COM port and backplane)

Environment

- **Operating Temperature** -10 ~ 60°C (mounted vertically)
- **Storage Temperature** -40 ~ 70°C
- **Relative Humidity** 5 ~ 95% (non-condensing)

Ordering Information

- **APAX-5490** Isolation 4-port RS-232/422/485 Comm. Module.

Note: APAX-5490 can only be used by controllers with a PCI Express interface (ex. APAX-5580+APAX-5402L)

Specifications

General

- **Certification** CE, FCC class A
- **Interface** COM 1, COM 2: RS-232/422/485*
COM 3, COM 4: RS-232/422/485*
* Change Mode with the switch
- **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 @ 24 V_{DC} (typical)
- **LED Indicators** TX, RX
- **Supported OS** Linux Kernel 3.18 (Ubuntu 14.04)
- **Operation Mode** Virtual COM
- **Bus Connector** APAX (EtherIO)

Communications

- **Data Bits** 8
- **Stop Bits** 1, 1.5, 2
- **Parity** None
- **Baud Rate** 600bps ~ 115.2 kbps
- **Data Signals** RS-232: TxD, RxD, GND
RS-422: Tx+, Tx-, Rx+, RX-
RS-485: Data+, Data-
- **FIFO** 256 bytes
- **Maximum Support** Up to 16 pcs with one controller

Protection

- **ESD Protection** 8KV (air), 4KV (contact)
- **EFT Protection** 2,000 V_{DC} (Power Line)
- **Isolation Protection** 2,500 V_{DC} (between COM port and backplane)

Environment

- **Operating Temperature** -10 ~ 60°C (mounted vertically)
- **Storage Temperature** -40 ~ 70°C
- **Relative Humidity** 5 ~ 95% RH (non-condensing)

Ordering Information

- **APAX-5090** 4-port RS-232/422/485 Virtual COM with APAX Bus

Note: APAX-5090 can only supported by EtherIO architecture (non-DSP).
ex. APAX-5580+APAX-5402L