APAX-5402 / APAX-5402L

2-slot Expansion Backplane for APAX-5580

NEW

APAX-5402L   APAX-5402

RoHS COMPLIANT 2002/95/EC   CE   FC
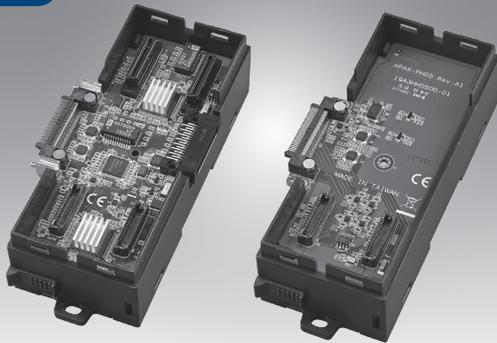
Features

- More flexibility to customer's application by providing 2x full function combo slots or pure 2x High Speed Connector for IPC applications
- APAX-5402L Bypass 24V_{DC} to the right side APAX connector for APAX-5002 expansion
- High Speed Connector support PCIe / SATA/ USB signal for APAX-5430/APAX-5435/APAX-5490 expansion
- APAX-5402L is with more features but lower cost by using EtherIO driver technology to replace the DSP function in the traditional backplane

Introduction

APAX-5402L is the backplane module for APAX-5580, supports 2 x Combo slots (High Speed Connector + APAX IO Connector) and right hand side connector for APAX-5002 expansion. It provides more flexibility for user's application with APAX-5430 / APAX-5435/APAX-5490 as well as all APAX IO modules. However, if APAX IO modules are not needed, APAX-5402-E2A0AE is a cost effective option to extend 2x high-speed connector for APAX-5490/APAX-5430/APAX-5435 expansion.

Specifications

General

- **Certification**   CE, FCC class A
- **Dimensions (W x H x D)** 54 x 151 x 38 mm
- **Enclosure**   ABS+PC
- **Weight**   120 g
- **Mounting**   DIN-rail, Wall mount (panel mount)
- **Power Consumption**   APAX-5402L-E2A2AE: 4.3 W @ 5 V_{DC}
  APAX-5402-E2A0AE: 2.5 W @ 5 V_{DC}
- **Power Input**   5V_{DC} from APAX-5580
  (24V_{DC} bypass to the right side APAX connector)
- **Slot Number**   APAX-5402L-E2A2AE: 2x combo slots
  (Include 2x High Speed Connector + 2x APAX Connector)
  APAX-5402-E2A0AE: 2x High Speed Connector

Connectors

- **High Speed Connector**   PCIe, SATA, USB Signal for APAX-5430/5435/5490 Expansion (lower side)
  (Note : Only left-hand side connector is with USB signal)
- **APAX IO Connector**   APAX IO bus signal (upper side)
- **APAX Expansion Connector**   APAX IO bus signal with 24V_{DC} for APAX-5002 expansion (right side)

Environment

- **Operating Temperature** -10 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7m/s airflow
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing

*Note: APAX-5402L leverage EtherIO technology. EtherIO driver is needed to enable the functionality.

Ordering Information

- **APAX-5402-E2A0AE**   2 expansion slots to support APAX-5490, APAX-5435, APAX-5430
- **APAX-5402L-E2A2AE**   2 expansion slots with APAX bus (EtherIO)

Model	APAX-5402-E2A0AE	APAX-5402-E2A1AE	APAX-5402L-E2A2AE
Status	Available	Phased Out	Available
PCIe Connector	2	2	2
APAX Connector	0	1	2
Extend Connector	No	Yes	Yes
S/W Driver	N/A	APAX IO Driver	EtherIO Driver

ADVANTECH   **Control IPCs**

All product specifications are subject to change without notice.   Last updated: 27-Jun-2018