

Expansion I/O Modules

Introduction

These expansion modules are designed to increase the functions of ARS-2510/ARS-2110 box PCs. The standard offerings include 2.5" SSD SATA driver carrier, dual COM port module, and dual CAN port module. For larger-volume orders, users can specify their own customized modules, and build systems that offer powerful, best-fit, custom solutions.

Single SSD Carrier with DIO

Product Specifications

Digital Input

- Input Channels: 5
- Isolation: 2.5KVdc
- Digital Input Level: Logic 0: 2V max./ Logic 1: 10 to 50V
- Connector: DB9

Digital Output

- Output Channels: 1
- Isolation: 2.5KVdc
- Output Voltage: Open collector to 30V, 8mA max. load
- SSD: 2.5" SSD



Dual COM Ports with Isolation

Product Specifications

- Isolation: 2KV digital isolation
- FIFO: 256bytes
- Data Bits: 5,6,7,8
- Stop Bits: 1,1.5,2
- Flow Control: RTX/CTS, Xon/Xoff
- Baud Rate: 50bps ~ 921.6kbps



Dual CAN Ports with Isolation

Product Specifications

- Interface: CAN 2.0 A/B
- CAN Controller: SJA1000T
- Signals: CAN-H, CAN-L
- Isolation: 2KV digital isolation
- Speed: 1Mbps
- Connector Type: DB9 male



Ordering Information

| System P/N | Product Description |
|------------------|---|
| AIO-SSD110-00A1E | Single SSD carrier with DIO for ARS-2510/ARS-2110 |
| AIO-COM210-00A1E | Dual COM ports with isolation for ARS-2510/ARS-2110 |
| AIO-CAN210-00A1E | Dual CAN ports with Isolation for ARS-2510/ARS-2110 |

Design & Manufacturing Services

Advantech provides customization services for expansion modules with desired I/Os.

- For sales inquiries or further information, please contact us at Rail@Advantech.com.tw