

# Expansion I/O Modules

## Introduction

The expansion I/O modules are designed to increase function of the ARS series BOX PC flexibly, such as one 2.5"SSD SATA driver module, two serial & CANBus modules. You can plug the module into BOX PC for Input / Output expansion. Furthermore, with its perfect customerization, you can have your desired I/O functions to be extended.

## Single SSD board with DIO for ARS-2510



### Product Specifications

<b>Digital Input</b>	Sink/Source type	<b>Digital Output</b>	Sink/Source type
<b>Input Channels:</b>	5	<b>Output Channels:</b>	1
<b>Isolation:</b>	3KV digital	<b>Isolation:</b>	3KV digital
<b>Input Voltage:</b>	0 to 5VDC at 15Hz	<b>Output Voltage:</b>	Logic 0:0 to 0.55V
<b>Digital Input Level</b>	Logic level0:close to GND, 3V max		Logic 1: 4.2 to 5.5V, Vmax 50V, Imax 4mA
<b>Connector</b>	DB9	<b>SSD</b>	2.5" SSD

## Dual COM ports with isolation for ARS-2510



### Product Specifications

<b>Isolation:</b>	2KV digital isolation
<b>FIFO</b>	128bytes
<b>Data Bits:</b>	5,6,7,8
<b>Stop Bits:</b>	1,1.5,2
<b>Flow control:</b>	RTX/CTS, Xon/Xoff
<b>Baud rate:</b>	50bps ~ 921.6kbps

## Dual CAN ports with isolation for ARS-2510



### Product Specifications

<b>Interface</b>	CAN 2.0 A/B
<b>CAN controller</b>	SJA1000T
<b>Signals</b>	CAN-H, CAN-L
<b>Isolation</b>	2KV digital isolation
<b>Speed</b>	1Mbps
<b>Connector type</b>	DB9 male

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## Ordering Information

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

## Design & Manufacturing Services

This product is designed for customers who are looking for a standard I/O module to extend function to sell as an optional item. We could even provide detailed technical information of the module for our customers design. In addition, we can assist our customers to customize your desired I/O module.

### ■ For sales inquiries or further information, please contact us:

Region	Phone	Email
America	1-888-576-9668	<a href="mailto:buy@advantech.com">buy@advantech.com</a>
Europe	00800-2426-8080	<a href="mailto:customercare@advantech.eu">customercare@advantech.eu</a>
China	800-810-0345	<a href="mailto:sales@advantech.cn">sales@advantech.cn</a>
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