

Advantech AE Technical Share Document

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Category	■FAQ □SOP	Related OS	N/A
Abstract	WISE-4000, The difference between WISE-4012 and WISE-4012E		
Keyword	Specification, difference, comparison table, IoT		
Related Product	WISE-4000		

■ Problem Description:

What's the difference between WISE-4012 and WISE-4012E?

Does the WISE-4012-AE have the same functions and specifications than WISE-4012E? If not, does it have some advanced functions?

■ Answer:

WISE-4012E is a WISE IoT developer kit, so it will use USB as the power source.

With the extra test PCB (*Figure 1*), user can easily test the status of analog input, digital input and relay output.

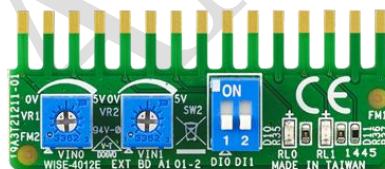


Figure 1

For more comparison between WISE-4012 and WISE-4012E, please see the following table.

Comparison Table of WISE-4012 and WISE-4012E

Model Name		WISE-4012E	WISE-4012
Description		6-ch Input/Output IoT Wireless I/O Module for IoT Developer	4-ch Universal Input and 2-ch Digital Output IoT Wireless I/O Module
Analog I/O	Channels	2	4
	Resolution	12-bit	16-bit
	Accuracy	1% of FSR	0.1% of FSR
	Sampling Rate	10Hz/Channel	10Hz/Total
	Voltage Input	0~10V	0~5V, 0~10V, $\pm 5V$, $\pm 10V$
	Current Input	-	0~20mA, 4~20mA
	Digital Input	-	Dry Contact
Digital I/O	Input Channel	2 (Dry Contact)	-
	Output Channel	2 (Form A Relay)	2
	Pulse Output	1 Hz	1k Hz
Isolation Protection		No	3,000 Vrms
Power Requirement		5V _{DC} Micro-B USB	10~30V _{DC} (24V _{DC} Standard)
Power Consumption		1.5W @ 5 V _{DC}	2.5W @ 24V _{DC}