

Advantech AE Technical Share Document

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Category	■FAQ □SOP	Related OS	N/A
Abstract	How to charge the built-in battery of WISE-4610		
Keyword	WISE-4610, battery, charging		
Related Product	WISE-4610		

■ **Problem Description:**

Customer would like to charge the built-in battery of WISE-4610, this document explains how to charge the battery correctly.

■ **Solution:**

There is a battery switch on the side of WISE-4610, turn on the switch means the module will use the battery to power on the module, so if user would like to charge the battery, this switch **must be turned on.**

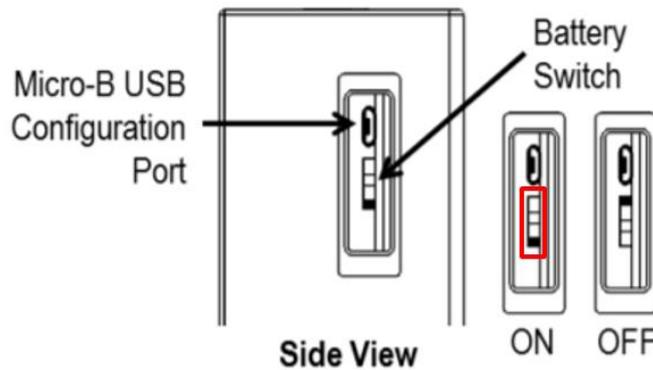


Figure 1. WISE-4610 Battery Switch

Here is the correct steps for charge the battery

Step1: Turn **ON** the battery switch as shown in Figure 1

Step2: Connect WISE-4610 with Line power to charge the battery.

Customer can use +Vs, -Vs or SP+, SP- as the line power source.

(SP+, SP- means Solar panel)

You can refer to below pin define for WISE-I/O board.

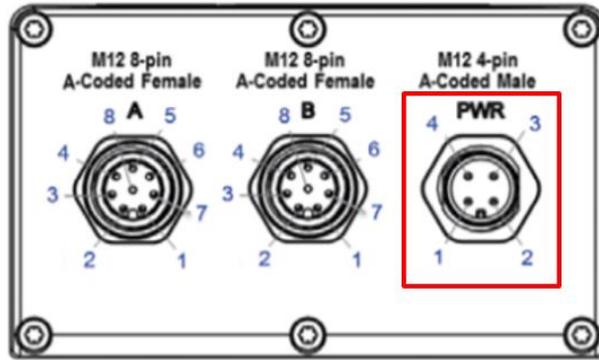


Figure 2. WISE-I/O board pin assignment

Model Name	M12 Cable	WISE-S672	WISE-S614	WISE-S615	WISE-S617	
Pin Number						
P/N	4Pin : 1700028162-01 8Pin : 1700028163-01	WISE-S672-A	WISE-S614-A	WISE-S615-A	WISE-S617-A	
A	1	White	DI0	DI0	RTD2+	IA0+
	2	Brown	DI1	DI1	RTD2-	IA0-
	3	Green	DI2	DI2	RTD2 COM	+12V_Out0
	4	Yellow	DI3	DI3	NC	+12V_Out_GND
	5	Gray	DI4	NC	RTD3+	IA1+
	6	Pink	DI5	NC	RTD3-	IA1-
	7	Blue	NC	NC	RTD3 COM	+12V_Out1
	8	Red	DI_COM	DI COM	NC	+12V_Out_GND
B	1	White	RS-485 D1-	IA0+	RTD0+	DI0
	2	Brown	RS-485 D1+	IA0-	RTD0-	DI1
	3	Green	RS-232 TX	IA1+	RTD0 COM	DI_COM
	4	Yellow	RS-232 RX	IA1-	NC	DO0
	5	Gray	RS-485 D2-	IA2+	RTD1+	DO_GND
	6	Pink	RS-485 D2+	IA2-	RTD1-	RS-485 D+
	7	Blue	NC	IA3+	RTD1 COM	RS-485 D-
	8	Red	RS-232 GND	IA3-	NC	RS-485 GND
PWR	1	Brown	+VS	+VS	+VS	+VS
	2	White	-VS/ SP-	-VS	-VS	-VS
	3	Blue	SP+	SP+	SP+	SP+
	4	Black	NC	SP-	SP-	SP-

Figure 3. WISE-I/O board pin assignment