

Remote I/O & Wireless Sensing Modules

Intelligent Wireless I/O for Big Data Acquisition and Cloud Integration



WISE-4000 Selection Guide

Wireless IoT Sensing Devices : WISE-4000 Selection Guide

Advantech's new generation of remote I/O devices bring an IT oriented spirit to the market. With the advanced concepts of data A-P-P, data Acquisition, data Processing to data Publishing, fulfilling mobile monitoring and controlling needs under an IoT framework.

WiFi 2.4GHz Wireless I/O Module

WISE-4220 series features Wi-Fi, to provide high-performance modularized wireless sensor nodes that can be easily integrated into existing networks. With high connectivity for diverse I/O, WISE-4220 modules can also be combined with other sensing solutions to enable simple and cost-effective real-time data monitoring.

WISE-4220-A
WISE-4220-S231A

Industrial Cat. NB1/Cat. M1 Wireless I/O Module

WISE-4471 series is a 4G cellular based IoT wireless sensor node compliant with LTE Cat. NB1 and Cat. M1 with built in antenna for flexible installation. WISE-4471 series provides a data logger and direct cloud connectivity to published data to the cloud by messaging protocol such as MQTT, CoAP, LWM2M with secure socket supported.

WISE-4471-UA
WISE-4671-UA

Industrial LoRa/LoRaWAN Wireless I/O Module

WISE-4610 features a wireless sensor node based on LoRa network technologies targeting outdoor applications.

WISE-4610-EA

Proprietary LPWAN/SUB-G Wireless I/O Module

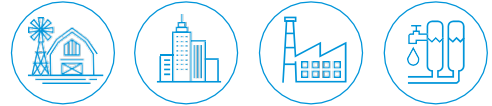
WISE-4210 utilizes a proprietary LPWAN wireless interface which eliminates network interference.

WISE-4210-APNA
WISE-4210-S231NA



WISE-4220 Series

Industrial WiFi 2.4G Wireless I/O Module



Industrial WiFi 2.4G Wireless I/O Module

	Model Name	WISE-4220-A
	Standard	IEEE 802.11 b/g/n
	Frequency	2.4G
	Function	Wireless Board
	Power Input	10~50Vdc External Power
	Configuration Interface	Micro-B USB

I/O Module

	Model Name	WISE-S214-A	WISE-S250-A	WISE-S251-A	WISE-S200
	Spec	4 AI & 4 DI	6 DI, 2 DO & 1 RS-485	6 DI & 1 RS-485	Upon Customization Request *MOQ required

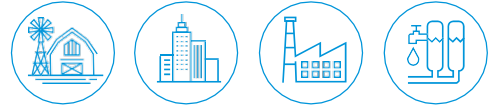
Industrial WiFi 2.4G with Temperature & Humidity Sensor*

	Model Name	WISE-4220-S231A
	Standard	IEEE 802.11 b/g/n
	Frequency	2.4G
	Function	Wireless Board
	Power Input	10~50Vdc External Power
	Configuration Interface	Micro-B USB

* Modularization doesn't effect on WISE-4220-S231 series

All product specifications are subject to change without notice.


Last updated: 16-Aug-2019



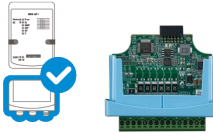
WISE-4471 Series

Industrial Cat. NB1/Cat. M1 Wireless I/O Module

Industrial Cat. NB1/Cat. M1 Wireless I/O Module

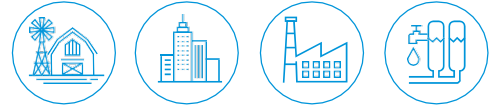
	Model Name	WISE-4471-UA
	Standard	3GPP, Release 13
	Band	B2,3,4,5,8,12,13,20,28
	SIM Type	Micro SIM/3FF
	Function	Wireless Board
	Power Input	10~50Vdc External Power
	Configuration Interface	Micro-B USB

I/O Module

	Model Name	WISE-S214-A	WISE-S250-A	WISE-S251-A	WISE-S472-A	WISE-S200 WISE-S400
	Spec	4 AI & 4 DI	6 DI, 2 DO & 1 RS-485	6 DI & 1 RS-485	1 DI & 2 RS-485	Upon Customization Request *MOQ required

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WISE-4671 Series

Advanced Industrial Cat. NB1/Cat. M1 Wireless I/O Module

Advanced Industrial Cat. NB1/Cat. M1 Wireless I/O Module

	Model Name	WISE-4671-UA
	Standard	3GPP, Release 13
	Band	B2,3,4,5,6,12,13,18,20,26,28
	SIM Type	Nano SIM/4FF
	Function	Wireless Board
	Positioning	GPS/ Galileo/ BeiDou/ GLONASS
	Power Input	4000 Lithium Rechargeable Battery 10~50Vdc External Power 17~21Vdc Solar Panel
	Configuration Interface	Micro-B USB

IP65 I/O Module

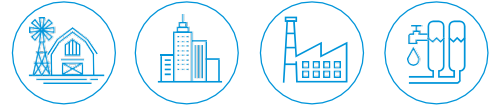
	Model Name	WISE-S614-A
	Spec	4 AI & 4 DI

Accessories

Part Number	Description
1654011516-01	M12, A-code, 8 Pin, Male
1655005903-01	M12, A-code, 4 Pin, Female
1700028162-01	M12, A-code, 4 pin, Female with 1M cable
1700028163-01	M12, A-code, 8 Pin, Male with 1M cable

All product specifications are subject to change without notice.


Last updated: 16-Aug-2019



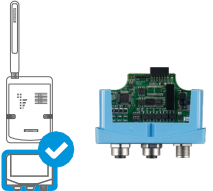
WISE-4610 Series

Advanced Industrial LoRaWAN I/O Module

Advanced Industrial LoRaWAN I/O Module

	Model Name	WISE-4610-EA		
	Frequency Range	EU 863~870 MHz		
	Function	Wireless Board		
	Positioning	GPS/ Galileo/ BeiDou/ GLONASS		
	Power Input	4000 Lithium Rechargeable Battery 10~50Vdc External Power 17~21Vdc Solar Panel		
	Configuration Interface	Micro-B USB		

IP65 I/O Module

	Model Name	WISE-S614-A	WISE-S672-A	WISE-S600
	Spec	4 AI & 4 DI	6 DI, 1 RS-485 & 1 RS-485/232	Upon Customization Request *MOQ required

Accessories	
Part Number	Description
1654011516-01	M12, A-code, 8 Pin, Male
1655005903-01	M12, A-code, 4 Pin, Female
1700028162-01	M12, A-code, 4 pin, Female with 1M cable
1700028163-01	M12, A-code, 8 Pin, Male with 1M cable

All product specifications are subject to change without notice.

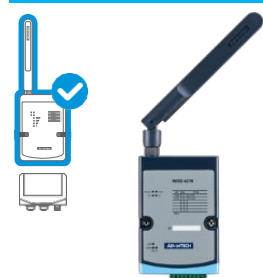
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WISE-4210 Series

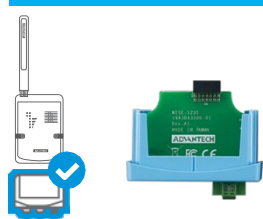
Industrial Proprietary LPWAN (SUB-G) Wireless I/O Module

Industrial Proprietary LPWAN (SUB-G) Wireless I/O Module



Model Name	WISE-4210-APNA
Standard	IEEE 802.11 b/g/n
Data Rate	625bps, 2.5kbps, 5kbps, 50kbps
Function	Wireless to Ethernet AP
Power Input	10~50Vdc External Power
Configuration Interface	Micro-B USB

I/O Module



Model Name	WISE-S214-A	WISE-S250-A	WISE-S251-A	WISE-S200
Spec	4 AI & 4 DI	6 DI, 2 DO & 1 RS-485	6 DI & 1 RS-485	Upon Customization Request *MOQ required

Built-in Temperature & Humidity Sensor*



Model Name	WISE-4210-S231NA
Frequency	868MHz/923MHz
Standard	IEEE 802.15.4g
Data Rate	625bps, 50kbps
Function	Wireless Board
Power Input	10~50Vdc External Power 3xAA 3.6V Lithium Battery
Configuration Interface	Micro-B USB

* Modularization doesn't effect on WISE-4210-S231 series

Accessories	
Part Number	Description
1750008836-01*	863-870MHz Dipole Antenna for WISE-4210
1750008837-01*	902-928MHz Dipole Antenna for WISE-4210
1760002647-01	Bat. Cylindrical 3.6V/2500mAh AA Li/SOCl2

* Antenna needs to be ordered separately for NA sku.

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Talk to us about IIoT and Wireless Solutions

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