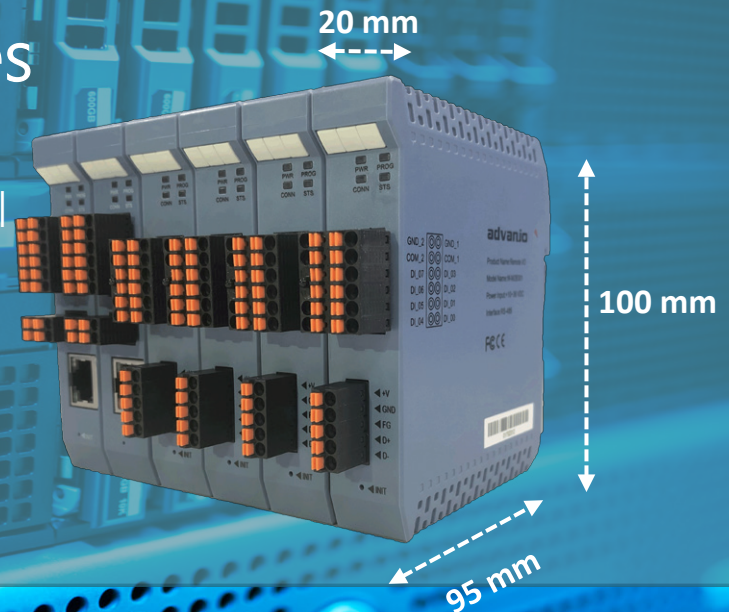


Wolf W-M2B & M-2J Series Data Acquisition Modules

Sensor to computer Interface for
Remote Data Acquisition and Control

Sensor Input →
Ethernet
RS - 485
(Modbus RTU)
(Modbus TCP/IP) ←



A smart choice to drive your devices smarter

Compact but Efficient

The fewer channels remote I/O collection, W-M2B and W-M2J of our Wolf series, make field wiring easier. The I/O module design not only reduces assembly errors, but also increases responding efficiency. The smaller and lighter housing dimension saves more space inside the cabinet, so it allows to leave additional floor space in the field and decline the whole system wiring and maintenance costs. Due to the flexible features, the compact and rugged Wolf series are suitable for kinds of applications, such as industrial automation control and monitoring and PV station monitoring.

Protocol Modbus RTU / TCP Support

W-M2B and W-M2J support friendly the remote computers, industrial controllers and HMIs. Either any Scada or programmable development software, by using Wolf series remote I/O modules, users can collect the data, control and monitor via protocol Modbus.

Product Features

The PoE power supply feature of W-M2J series supports to transmit power and data through ethernet cable which makes the wiring clean and neat. No more cables and messy wires nailed to the wall or ceiling to disturb as usual. Cost down and simplify the wiring task, shorten the construction time.



Product Selection Guide

Wolf W-M2J Series Ethernet Remote I/O Module

Model		W-M2J201	W-M2J115	W-M2J301	W-M2J401	W-M2J501
Description		4-CH Analog Output with PoE PD Module	4-CH Universal Analog Input Module (Voltage / Current) with PoE PD Module	8-CH Digital Input with PoE PD Module	8-CH Digital Output with PoE PD Module	4-CH Digital Input / 4-CH Digital Output with PoE PD Module
Analog Input/Output	Channels	4	4	-	-	-
	Resolution	12 Bit	16 Bit	-	-	-
	Accuracy	± 0.1% FSR	± 0.1% FSR	-	-	-
	Voltage Range	±5V, ±10V, 0~5V, 0~10V	±500mV, ±1V, ±5V, ±10V, 0~500mV, 0~1V, 0~5V, 0~10V	-	-	-
	Current Range	4~20 mA, 0~20 mA	±20mA, 4~20mA, 0~20mA	-	-	-
	Input Impedance	-	Voltage: 2 MΩ/200kΩ Current: 59 Ω	-	-	-
	Input Voltage Protection	-	±36V	-	-	-
	Programmable Output Slope	Voltage: 0.0625 ~ 512 V/Sec Current: 0.125 ~ 1024 mA/Sec	-	-	-	-
Independent Channel Configuration	Yes	Yes	-	-	-	
Digital Input/Output	Input Channels	-	-	8	-	4
	Output Channels	-	-	-	8	4
	Output Specification	-	-	-	NPN	NPN
	Normal Output Current	-	-	-	500mA per Channel	500mA per Channel
	Dry Contact Input	-	-	Logic Level 0 : Open Logic Level 1: Close to GND		Logic Level 0 : Open Logic Level 1: Close to GND
	Wet Contact Input	-	-	Logic Level 0 : +3 V Maximum Logic Level 1: +10 to +50 V		Logic Level 0 : +3 V Maximum Logic Level 1: +10 to +50 V
	Over-Voltage Protection	-	-	70 VDC	-	70 VDC
Input Range	18~75 VDC	18~75 VDC	18~75 VDC	18~75 VDC	18~75 VDC	
Power Consumption	2 W @ 24 VDC	2 W @ 24 VDC	2 W @ 24 VDC	2 W @ 24 VDC	2 W @ 24 VDC	
Isolation Protection	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	

Wolf W-M2B Series RS-485 Remote I/O Module

Model		W-M2B101	W-M2B301	W-M2B401	W-M2B403	W-M2B501
Description		4-CH Universal Analog Input Module (Voltage / Current)	8-CH Digital Input Module	8-CH Digital Output Module	4-CH Relay Output Module	4-CH Digital Input / 4-CH Digital Output Module
Analog Input	Input Channels	4	-	-	-	-
	Resolution	16 Bit	-	-	-	-
	Accuracy	± 0.1% FSR	-	-	-	-
	Sampling Rate	2 samples / second	-	-	-	-
	Voltage Range	High Voltage Input: ±5V, ±10V, 0 ~ 5V, 0 ~ 10V Low Voltage Input: ±100mV, ±500mV, ±1V, 0~100mV, 0~500mV, 0 ~ 1V	-	-	-	-
	Current Range	±20mA, 4~20mA, 0~20mA	-	-	-	-
	Input Impedance	Voltage: 100 KΩ Current: 120 Ω	-	-	-	-
Input Voltage Protection	±36V for Input Terminal: U+ ±12V for Input Terminal: M+, M-, S-	-	-	-	-	
Digital Input/Output	Input Channels	-	8	-	-	4
	Output Channels	-	-	8	-	4
	Relay Output	-	-	-	4	-
	Output Specification	-	-	NPN	4 Form C	NPN
	Normal Output Current	-	-	500mA per Channel	-	500mA per Channel
Input Range	10~36 VDC	10~36 VDC	10~36 VDC	10~36 VDC	10~36 VDC	
Power Consumption	1.2 W @ 24 VDC	1.2 W @ 24 VDC	1.2 W @ 24 VDC	1.2 W @ 24VDC	1.2 W @ 24 VDC	
Dry Contact Input	-	Logic Level 0 : Open Logic Level 1: Close to GND		-	Logic Level 0 : Open Logic Level 1: Close to GND	
Wet Contact Input	-	Logic Level 0 : +3 V Maximum Logic Level 1: +10 to +50 V		-	Logic Level 0 : +3 V Maximum Logic Level 1: +10 to +50 V	
Input Impedance	10KΩ	10KΩ	-	-	10KΩ	
Isolation Protection	-	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	
Over-Voltage Protection	-	70 VDC	-	-	70 VDC	
Independent Channel Configuration	Yes	-	-	-	-	