

# KYLAND

## Smart Control Solutions

Enabling Software Defined Control



# SMART CONTROLLER

## Smart Controller

---

NewPre3101/3102	03
NewPre200/300	06

## Modular Controller & IO

---

NewPre3200	13
NewPre5100	16
KYIO-H Remote I/O	20
KYIO-L Remote I/O	23

## Motion Controller (Codesys)

---

KYAC311	40
KYAC323	42

## IoT Edge Controller

---

NewPre2100	45
NewPre2300	48

## Power Automation Server

---

Hyperie8300	52
-------------	----

## Software:

---

Winux-RT Operating System	59
MaVIEW	61

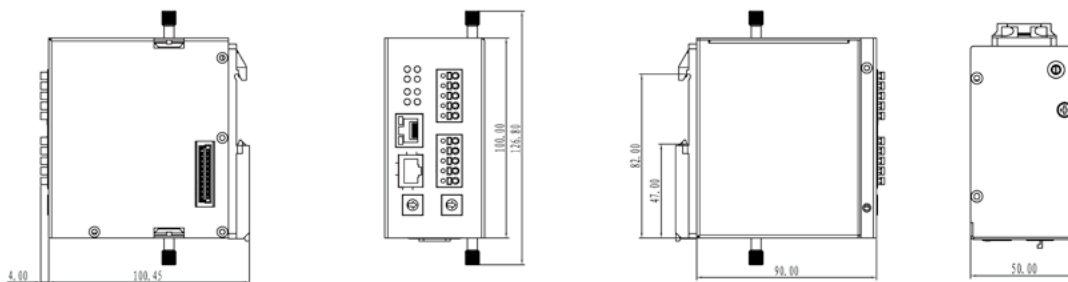
# KYIO-H Remote I/O

## RCM MODULE SPECIFICATIONS



KYRCM-0000H		
<b>Interface</b>	Network port	1x10/100BASE-T,RJ45
	Serial port	1xRS485
	CAN	1xCAN
<b>Communication</b>	Extension slot	Support Kyland KYIO module, up to support 10 extension modules:
	Protocol	CANopen
		Modbus RTU Master/Slave mode Modbus TCP Slave mode
<b>Management and Maintenance</b>	Support WEB management	

## DIMENSIONS

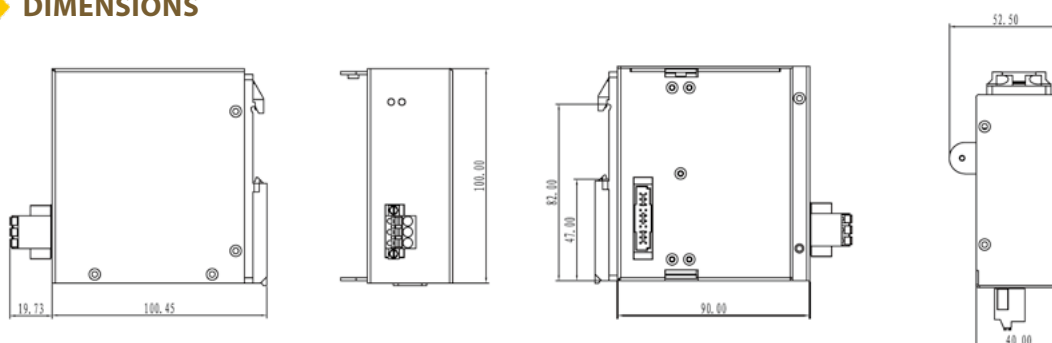


## PM POWER MODULE SPECIFICATIONS



KYPM-K12V10W01 Power Module		
<b>Power Supply</b>	Power input	24VDC (-15%~+20%)
	Power interface	Phoenix terminal block
	Bus output voltage	12VDC
	Output current	2.5A@12V
	Module consumption	6W

## DIMENSIONS



» I/O MODULE SPECIFICATIONS



KYDI-1601H	
Channel Number	16
Signal Type	24VDC, support PNP and NPN
Isolation Withstand Voltage	1500VDC@1min@5mA
Voltage and Consumption at System Side	1.5W@12V±10%
Voltage and Consumption at Filed Side	0.5W@24V, +20%/-15%



KYDO-1202H	
Channel Number	12
Signal Type	24VDC, support PNP and NPN
Isolation Withstand Voltage	1500VDC@1min@5mA
Voltage and Consumption at System Side	1.5W@12V±10%
Voltage and Consumption at Filed Side	0.5W@24V, +20%/-15%



KYAI-0801/0802H	
Channel Number	8
Signal Type	0~22 mA±10V
Analog Accuracy	±0.1%@(25°C)±0.3%@(-40~75°C)
Isolation Withstand Voltage	1500VDC@1min@5mA
Voltage and Consumption at System Side	1.2W@12V±10%
Voltage and Consumption at Filed Side	0.5W@24V, +20%/-15%



KYAO-0801/0802H	
Channel Number	8
Signal Type	0~22 mA±10V
Analog Accuracy	±0.1%@(25°C)±0.4%@(-40~75°C)
Isolation Withstand Voltage	1500VDC@1min@5mA
Voltage and Consumption at System Side	1.2W@12V±10%
Voltage and Consumption at Filed Side	0.5W@24V, +20%/-15%



KYRTD-0601H	
Channel Number	6
Signal Type	0..500Ω range. Support PT100, Cu100, Ni120, Resistance acquisition, support 2/3/4 wires.
Analog Accuracy	0~500Ω: ±0.1%(10~45°C), ±0.4% (-40~85°C)
Isolation Withstand Voltage	1500VDC@1min@5mA
Voltage and Consumption at System Side	1.2W@12V±10%
Voltage and Consumption at Filed Side	1.5W@24V, +20%/-15%

## GENERAL SPECIFICATIONS

<b>Mechanical Structure</b>	Mechanical structure	Aluminum enclosure
	IP class	IP30
	Dimensions	40x100x90 (WxHxD); KYRCM: 50x100x90(WxHxD)
	Weight	500g
	Mounting	DIN rail
<b>Environment</b>	Working temperature	-40 ~ 75°C
	Storage temperature	-40 ~ 85°C
	Humidity	5 ~ 95% No condensation
<b>Standard</b>	EMI	IEC61000-6-4/CISPR 22
	EMC	IEC61000-4-2(ESD), ±6kV(contact), ±8kV(air), IEC61000-4-3(RS),10V/m(80MHz-1GHz) IEC61000-4-4(EFT), DC Power Port: ±1kV, Singal Port: ±1kV IEC61000-4-5 (Surge), Power Port: ±1kV/DM, ±2kV/CM, Singal Port: ±1kV(line to line), Singal Port: ±2kV(line to earth) IEC61000-4-6(CS), Signal ports: 0.15-80MHz at 10V/m, Powerports: 0.15-80MHz at 10V/m IEC61000-4-8(Power frequency magnetic field), 30A/m
	Mechanical	IEC60068-2-6(vibration) IEC60068-2-27(impact) IEC60068-2-32(Free fall)

Order Information			
<b>KYDI-1601H</b>	16 channels DI module	<b>KYAO-0802H</b>	8 channels voltage output module
<b>KYDO-1202H</b>	12 channels DC DO module	<b>KYRTD-0601H</b>	6 channels hot resistance input module
<b>KYAI-0801H</b>	8 channels current input module	<b>KYPRCM-0000H</b>	Remotely IO communication module
<b>KYAI-0802H</b>	8 channels voltage input module	<b>KYPM-K12V10W01</b>	24VDC power module (Required)
<b>KYAO-0801H</b>	8 channels current output module		

## DIMENSIONS

