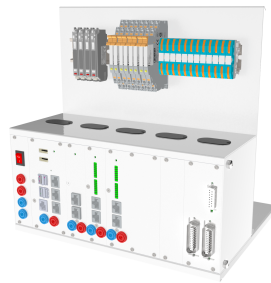EmbeddedLabs

Technical specification	

Embedded labs Control Basic System
Raspberry pi4 board based, 2xDIO module 8DI/8DO,
1xAIO module 4x4-20ma/0-10V AI, 4x4-20ma/0-10V AO,
4xPWM/PTO 5V/24V DO

Suplly voltage	
Permissible range (AC)	100-240V
Line frequency	50/60HZ
Input current	2.1A
Onboard power supply	
Output voltage(DC)	24V +/- 1V
Output current	4.5A
Computing system module	
Raspberry pi4 based	Yes
Supply voltage	24VDC
Connector	Banana plugs
Module panel size	12HP
DIO module	
Number of DIO modules	2 modules
Supply voltage	24VDC

Connector	Banana 4mm plugs
DC supply indication	Yes
Digital input and output indication	Yes
Module panel size	6HP
Digital inputs	
Number of digital inputs	8
Sinking input	Yes
input isolation	Optical
Input voltage	24VDC
Digital outputs	
Number of digital outputs	8
Sourcing output	Yes
Output isolation	Optical
Output type	Transistor
Output current	1.5A resistive load
Input voltage	24VDC
AIO module	
Number of AIO modules	1 module
Supply voltage	24VDC
Connector	Banana 4mm plugs
DC supply indication	Yes
Module panel size	6HP
Anoalog inputs	
Number of analog inputs	4
Current input range	4-20ma
Voltage input range	0-10V
Input resolution	11 bit
Analog outputs	
Number of analog outputs	4
Current output range	4-20ma

Voltage output range	0-10V
Outpute resolution	10 bit
PWM/PTO module	
Number of DIO modules	1 module
Supply voltage	24VDC
Connector	Banana 4mm plugs
DC supply indication	Yes
Module panel size	6HP
PWM/PTO voltage	5V/24V
Number of PWM outputs	4
Number of PTO outputs	4xPulse, 4xDirection
Output isolation	Optical
Output connector	D-sub 9pin
System connector module	
Number of SC modules	1 module
Supply voltage	24VDC
Module panel size	9HP
DIO connector	IEEE 488 24pin
AIO connector	D-sub 15pin