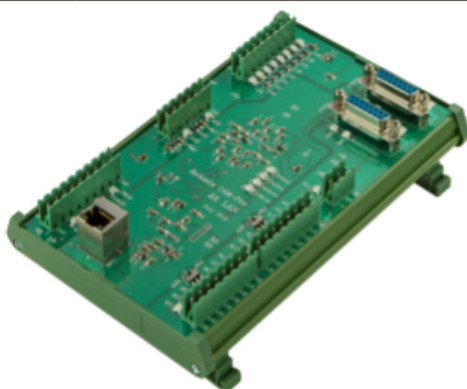


Controller Models Features

Radonix PC-Pro LAN 2A

Flexible High Performance Position Control

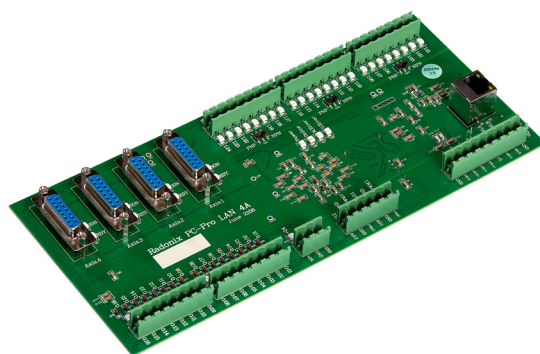
Axes	2 independent and interpolated axes
Digital Inputs	16 Isolated NPN inputs
Digital Outputs	8 (Negative protected outputs)
Analog Outputs	2 (Protected outputs)
PWM Outputs	2 PWM outputs with adjustable frequency
Axis Pulse Rate	500,000 pulses per second
Axis Pulse Type	Directional pulse
Acceleration Time	From 50 mm/s to 30,000 mm/s
Speed Profile	S-Curve
Hardware Buffer Size	2,000 block FIFO
PC-Controller Data exchange time	20 milliseconds
Isolation Type	Optocoupler
Communication Type	LAN with 100 Mbps transfer rate (TCP/IP)
Communication Length	More than 20 meters with UTP/More than 50 meters with SFUTP
Hardware Lock	24 time locks with internal clock
Power Consumption	16 to 32 volts - 300 milliamperes
Dimensions	19*13 centimeters
Controller Type	Loop-open control
Operating System	Windows 7, 8, 10, 11
Supported Equipment	Joystick, Remote control, Handwheel
Active Axis Count	2



Radonix PC-Pro LAN 4A

Flexible High Performance Position Control

Axes	4 independent and interpolated axes
Digital Inputs	24 Isolated NPN inputs
Digital Outputs	16 open collector outputs with short circuit protection circuit
Analog Outputs	2
PWM Outputs	2 PWM outputs with adjustable frequency
Axis Pulse Rate	500,000 pulses per second
Axis Pulse Type	Directional pulse
Acceleration Time	From 50 mm/s to 30,000 mm/s
Speed Profile	S-Curve
Hardware Buffer Size	2,000 block FIFO
PC-Controller Data exchange time	20 milliseconds
Isolation Type	Optocoupler
Communication Type	LAN with 100 Mbps transfer rate (TCP/IP)
Communication Length	More than 20 meters with UTP/More than 50 meters with SFUTP
Hardware Lock	24 time locks with internal clock
Power Consumption	16 to 32 volts - 300 milliamperes
Dimensions	25*13 centimeters
Controller Type	Loop-open control
Operating System	Windows 7, 8, 10, 11
Supported Equipment	Joystick, Remote control, Handwheel
Active Axis Count	4,3,2



Radonix PC-Pro LAN 6A

Flexible High Performance Position Control

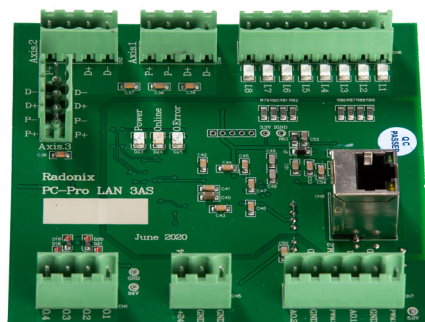
Axes	6 independent and interpolated axes
Digital Inputs	32 PNP and NPN inputs
Digital Outputs	32 (Negative protected outputs)
Analog Outputs	2
PWM Outputs	2 PWM outputs with adjustable frequency
Axis Pulse Rate	500,000 pulses per second
Axis Pulse Type	Directional pulse
Acceleration Time	From 50 mm/s to 30,000 mm/s
Speed Profile	S-Curve
Hardware Buffer Size	2,000 block FIFO
PC-Controller Data exchange time	20 milliseconds
Isolation Type	Optocoupler
Communication Type	LAN with 100 Mbps transfer rate (TCP/IP)
Communication Length	More than 20 meters with UTP/More than 50 meters with SFUTP
Hardware Lock	24 time locks with internal clock
Power Consumption	16 to 32 volts - 300 milliamperes
Dimensions	34*13 centimeters
Controller Type	Loop-open control
Operating System	Windows 7, 8, 10, 11
Supported Equipment	Joystick, Remote control, Handwheel
Active Axis Count	6,5,4,3,2



Radonix PC-Pro LAN 3AS

Smart Position Control - Suitable for steppers

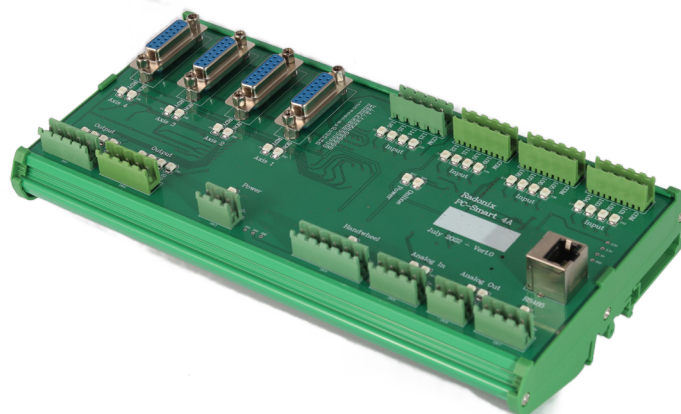
Axes	3 independent and interpolated axes
Digital Inputs	8 Isolated NPN inputs
Digital Outputs	4 (Negative protected outputs)
Analog Outputs	2
PWM Outputs	2 PWM outputs with adjustable frequency
Axis Pulse Rate	500,000 pulses per second
Axis Pulse Type	Directional pulse
Acceleration Time	From 50 mm/s to 30,000 mm/s
Speed Profile	S-Curve
Hardware Buffer Size	2,000 block FIFO
PC-Controller Data exchange time	20 milliseconds
Isolation Type	Optocoupler
Communication Type	LAN with 100 Mbps transfer rate (TCP/IP)
Communication Length	More than 20 meters with UTP/More than 50 meters with SFUTP
Hardware Lock	24 time locks with internal clock
Power Consumption	16 to 32 volts - 200 milliamperes
Dimensions	11*13 centimeters
Controller Type	Loop-open control
Operating System	Windows 7, 8, 10, 11
Supported Equipment	Joystick, Remote control, Handwheel
Active Axis Count	3,2



Radonix PC-Smart 4A

Smart Position Control - Suitable for steppers

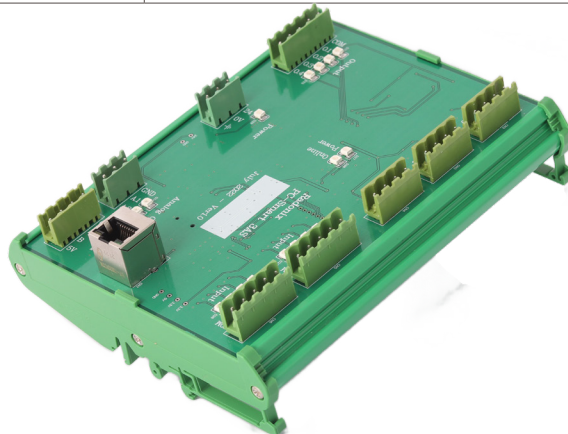
Axes	4 independent and interpolated axes
Digital Inputs	16 PNP and NPN inputs
Digital Outputs	8 PNP and NPN output
Analog Outputs	2 (10-0 Volts)
Analog Inputs	2 (10-0 Volts)
Axis Pulse Rate	500,000 pulses per second
Axis Pulse Type	Directional pulse
Acceleration Time	From 50 mm/s to 30,000 mm/s
Speed Profile	S-Curve
Hardware Buffer Size	2,000 block FIFO
PC-Controller Data exchange time	20 milliseconds
Isolation Type	Optocoupler
Communication Type	LAN with 100 Mbps transfer rate (TCP/IP)
Communication Length	More than 20 meters with UTP/More than 50 meters with SFUTP
Hardware Lock	24 time locks with internal clock
Power Consumption	12 to 24 volts - 300 milliamperes
Dimensions	25*13 centimeters
Controller Type	Loop-open control
Operating System	Windows 7, 8, 10, 11
Supported Equipment	Joystick, Remote control, Handwheel
Active Axis Count	4,3,2



Radonix PC-Smart 3AS

Smart Position Control - Suitable for steppers

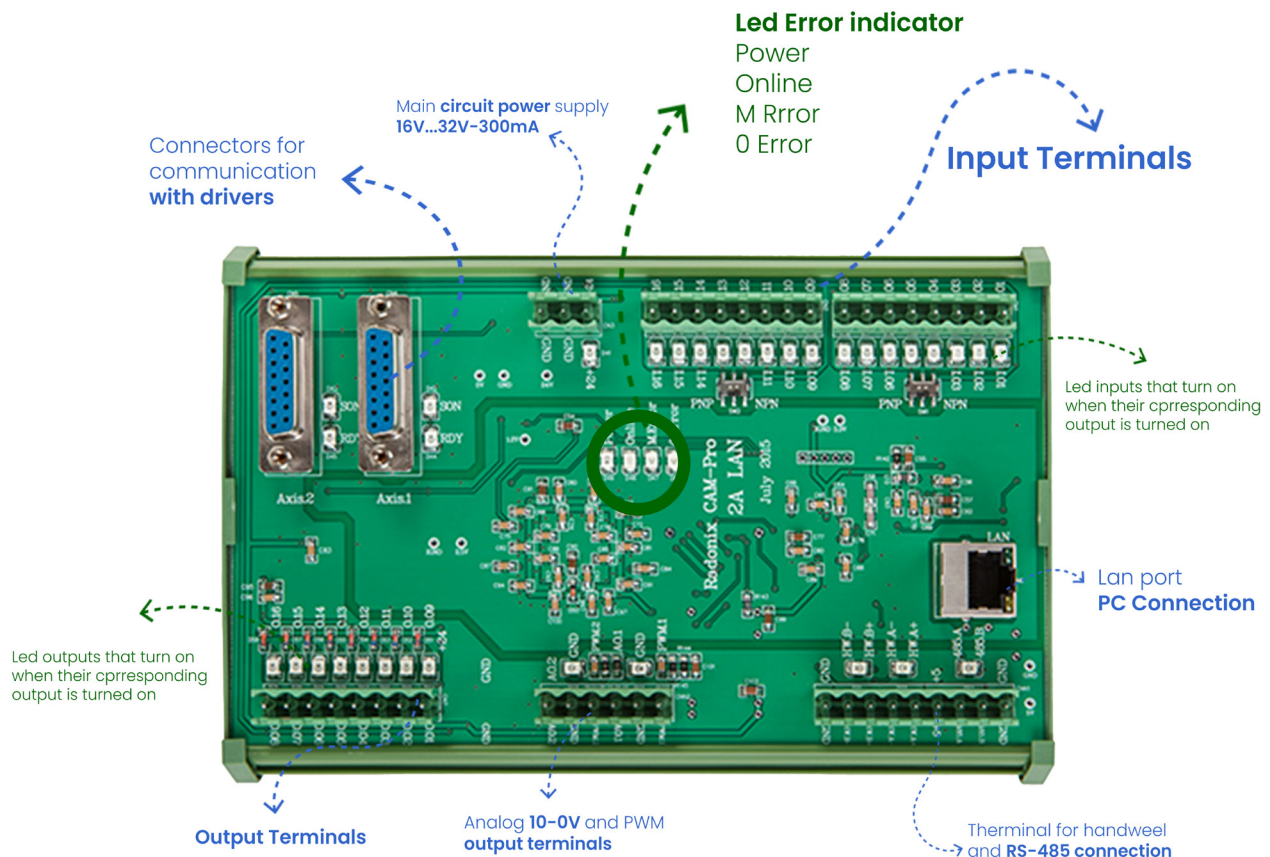
Axes	3 independent and interpolated axes
Digital Inputs	8 PNP and NPN inputs
Digital Outputs	4 PNP and NPN output
Analog Outputs	2 (10-0 Volts)
Axis Pulse Rate	100,000 pulses per second
Axis Pulse Type	Directional pulse
Acceleration Time	From 50 mm/s to 30,000 mm/s
Speed Profile	S-Curve
Hardware Buffer Size	2,000 block FIFO
PC-Controller Data exchange time	20 milliseconds
Isolation Type	Optocoupler
Communication Type	LAN with 100 Mbps transfer rate (TCP/IP)
Communication Length	More than 20 meters with UTP/More than 50 meters with SFUTP
Hardware Lock	24 time locks with internal clock
Power Consumption	12 to 24 volts - 300 milliamperes
Dimensions	15*13 centimeters
Controller Type	Loop-open controller
Operating System	Windows 7, 8, 10, 11
Supported Equipment	Joystick, Remote control, Handwheel
Active Axis Count	3,2



Identifying Different Parts of the Board

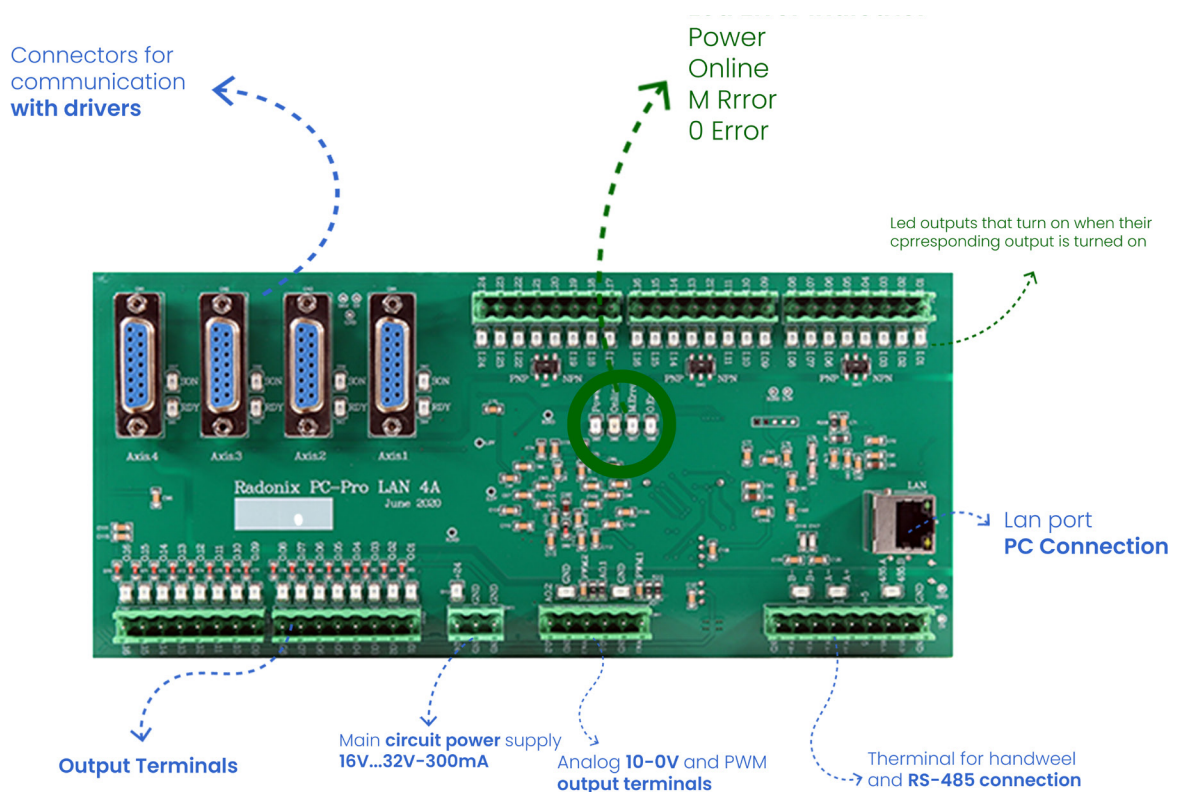
Radonix PC-Pro LAN 2A

Flexible High Performance Position Control



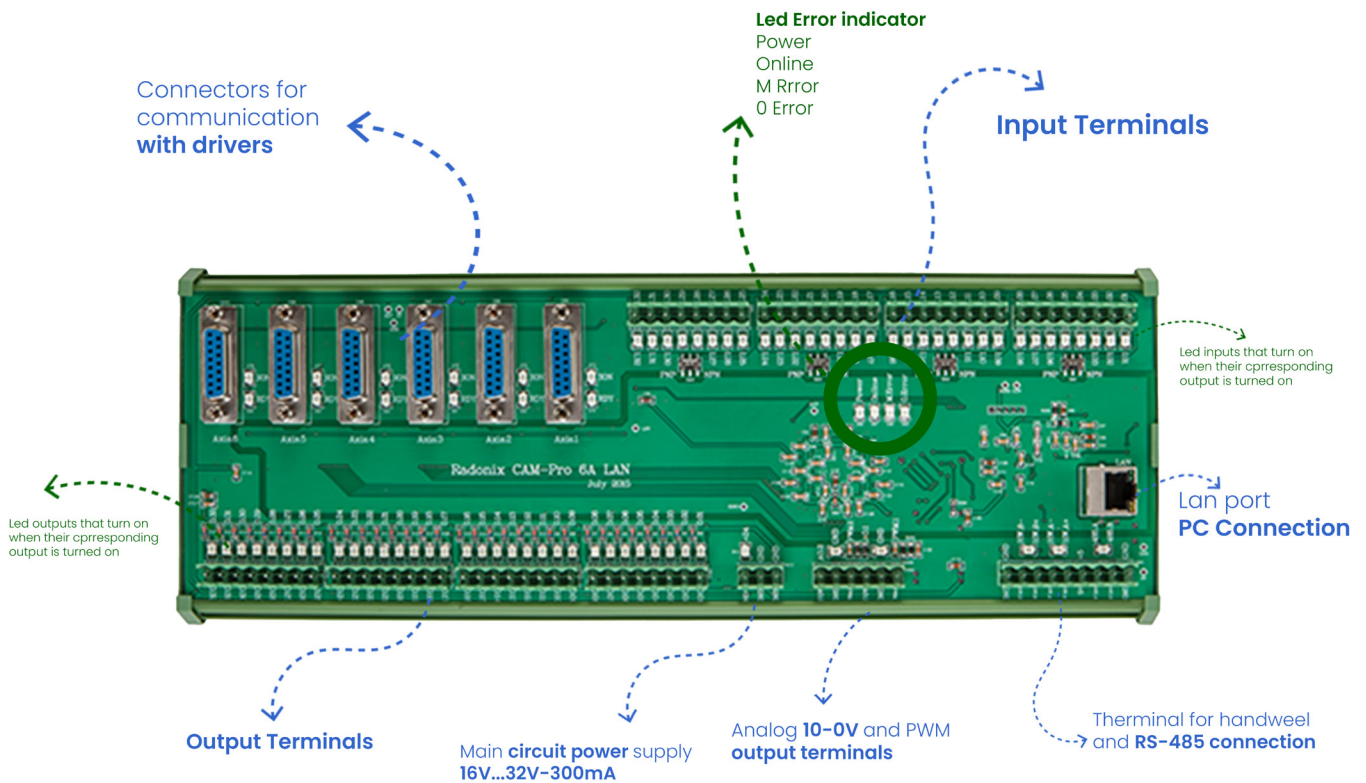
Radonix PC-Pro LAN 4A

Flexible High Performance Position Control



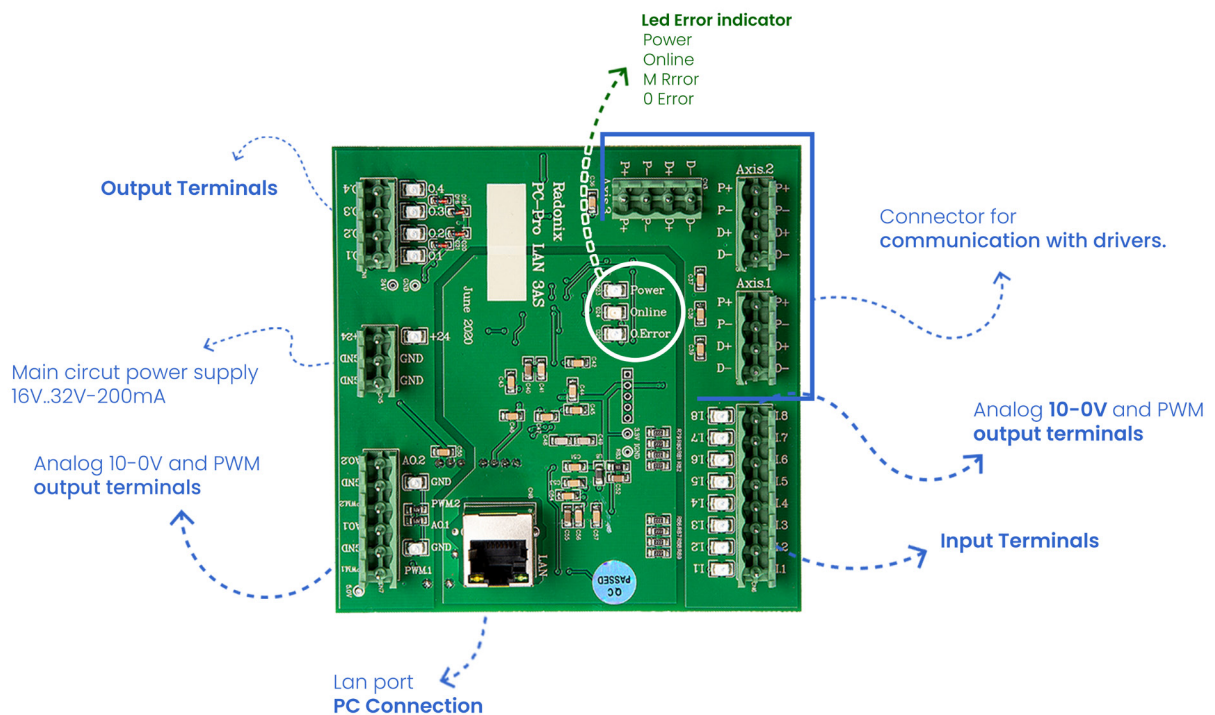
Radonix PC-Pro LAN 6A

Flexible High Performance Position Control



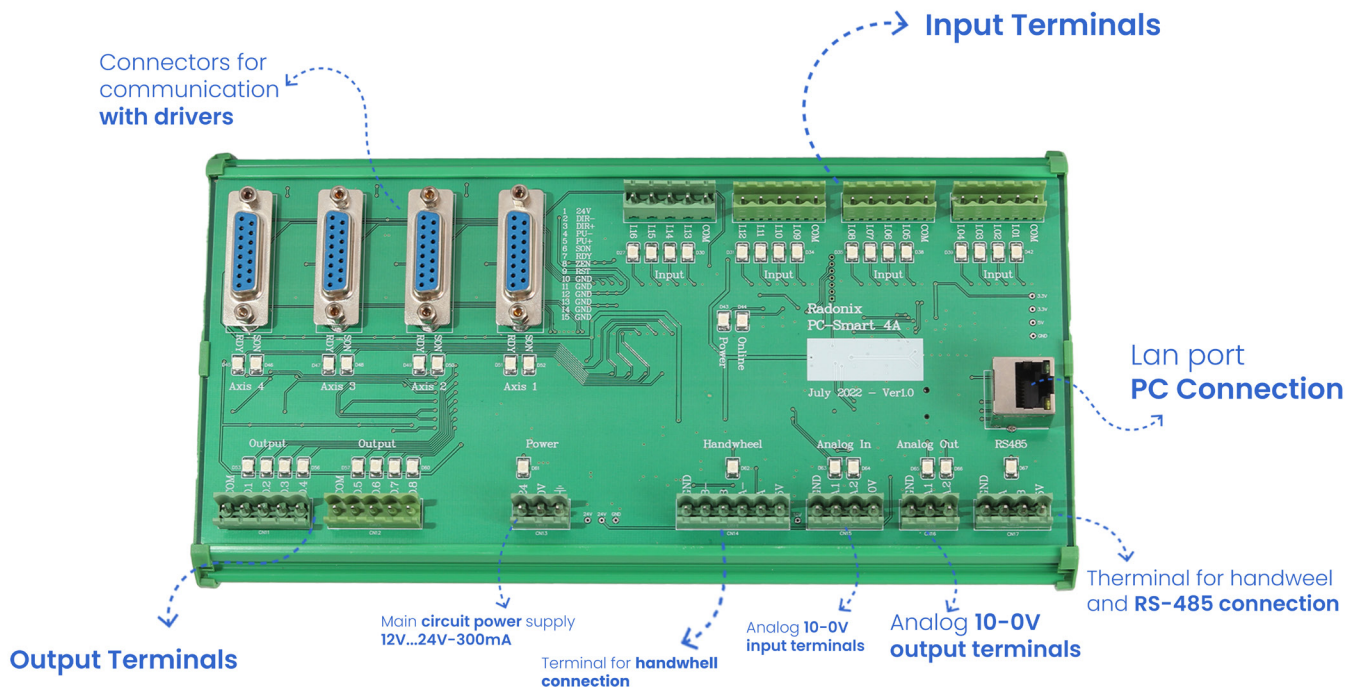
Radonix PC-Pro LAN 3AS

Flexible High Performance Position Control



Radonix PC-Smart 4A

Flexible High Performance Position Control



Radonix PC-Smart 3AS

Flexible High Performance Position Control

