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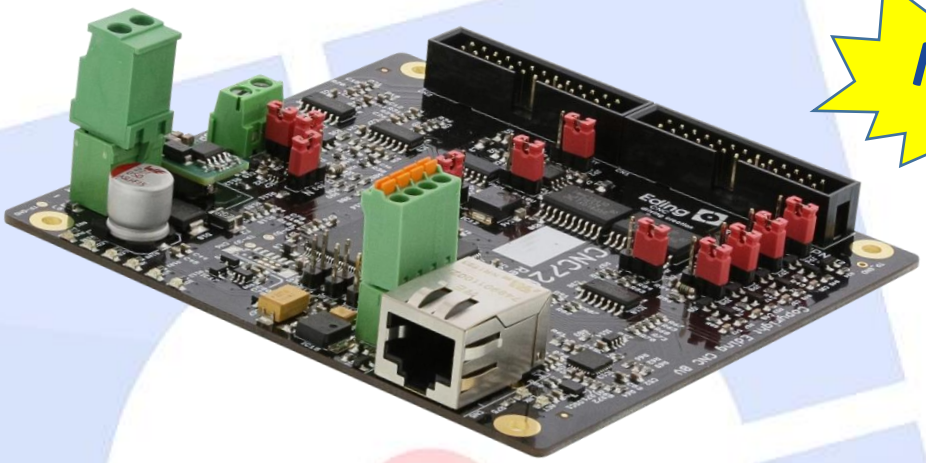
Productsheet

CNC720 – 4-Axis CNC Controller (400kHz)



New!

This CNC controller is the second of a new generation of Eding CNC controllers. Besides a standard 100Mbit Ethernet interface, the step frequency increased to 400 kHz.

A high-end CNC controller that controls up to 4 axes simultaneously. It also includes a hardware shutdown of all the outputs when an ‘E-Stop’ occurs. The board operates on 24VDC input voltage.

Furthermore, this controller can be extended with extra input and output ports through its RS485 interface.

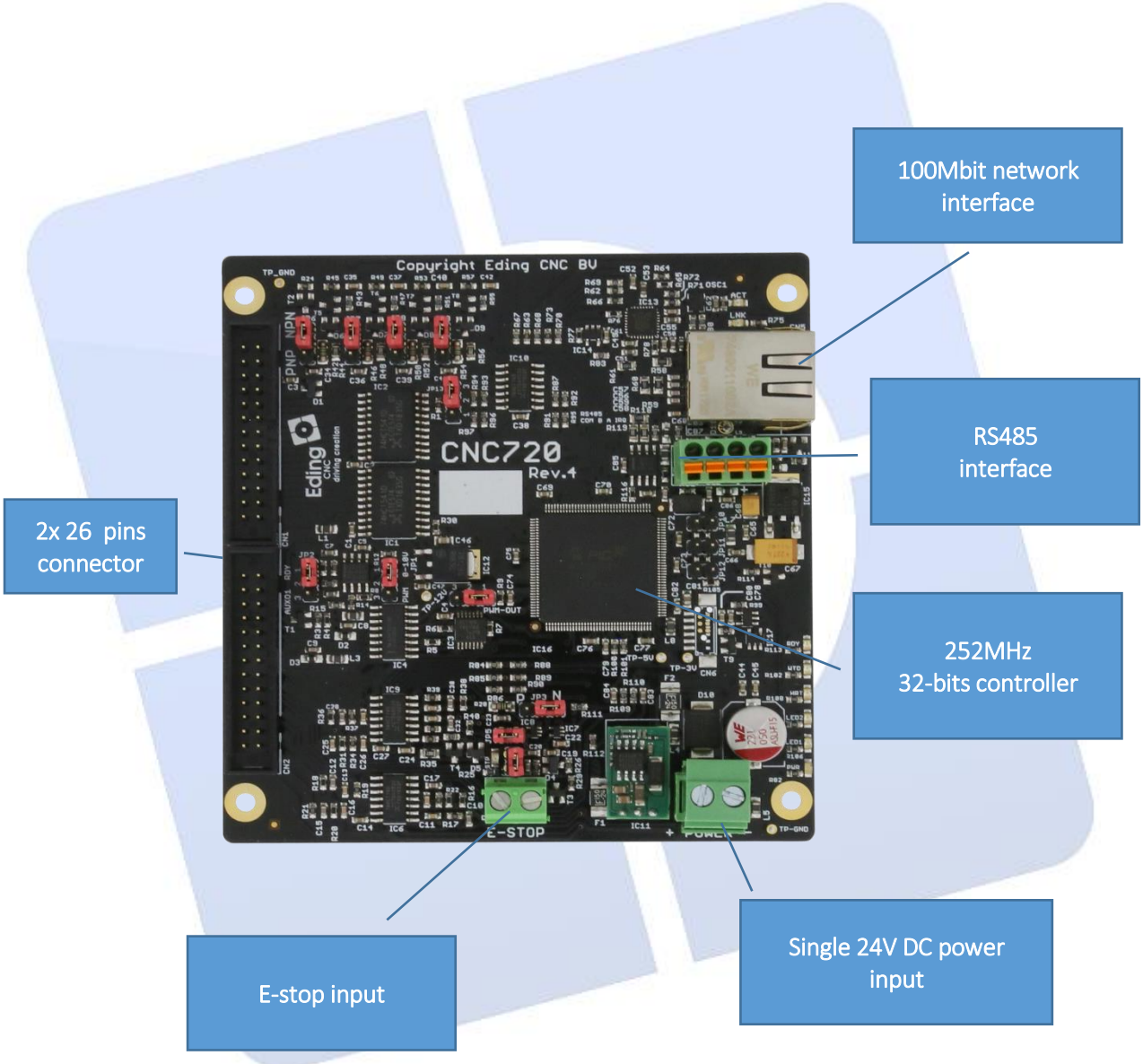
The on-board signals make it suitable for many applications. Besides digital I/O it contains 2 analog inputs, a 0-10V output or PWM output, and a pendant interface.

This product is of course fully supported by Eding CNC software solution.

Technical Specifications

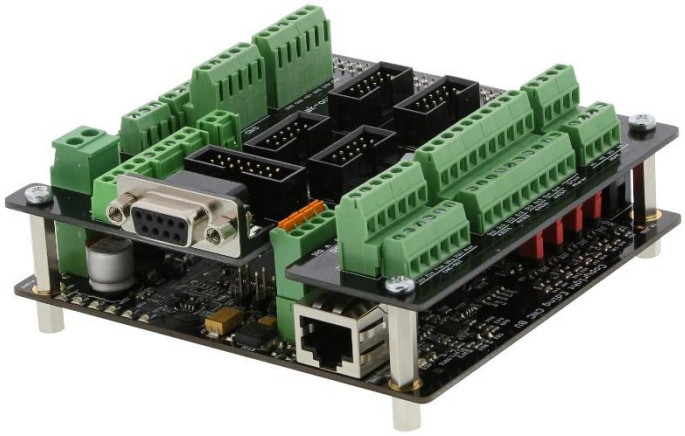
4x axis controller interface	Pulse/Direction	5V (max. 400kHz)
	Enable	5V
	Alarm	Max. 24V (PNP or NPN)
4x digital HOME inputs	Max. 24V (PNP or NPN)	
1x digital outputs (AUX)	Open collector (max. 24V)	
1x Alarm input	Max. 24V (PNP or NPN)	
2x Analog inputs	0-3.3v (12 bits)	
1x Analog outputs	0-10V	
2x Cooling outputs	Open collector (max. 24V)	
1x PWM outputs	Open collector (max. 24V)	
Safety relay I/O	Output System Ready	Output for safety relay (Watchdog) Open Collector
	Input External Error	Max. 24V (PNP or NPN)
	Input E-Stop	
1x Length detection input (Probe)	Max. 24V (PNP or NPN)	
1x Spindle encoder input	5V input	
1x RS485 interface	RS485, MODBUS compatible (for connecting extra I/O or functionality, cable length up to 20m)	
Handwheel interface (Pendant)	2x digital input	5V
	2x MPG input	5V
	2x analog input	0-3.3V
Interface	100Mbit Ethernet	
Power Supply	24VDC	
Dimension	100x107mm (suitable for DIN rail mounting)	
Others	Firmware upgradable through network connection	

Controller overview



Available Accessories

- CNC720 with breakout board:



- CNC720 with DIN rail mount: