Powerful – everything under control.

Growing machine requirements and new challenges in the field of Digital Services increase the demands on controllers. Lenze's new generation of cabinet controllers is the perfect answer to these demands.

This product range enables you to easily realize high-end control applications, such as printing machines with many printing units or picker lines with multiple robots. Thus, modern and modular machine controls can be implemented based on our software modules.

Highlights

- High computing power for demanding motion control in compact machines
- Maintenance-free and resistant: The battery-free design and the extended ambient operating temperature to 60 °C are the guarantors of a use in all areas of industry
- The engineering tools are the same as for all the other Lenze products which enables you to continue to use the tools you are familiar with
- Switchable fieldbus function for c430:
  Ethernet Switch, PROFINET IO-Device, or EtherCAT slave
- Optional fieldbus extension for c520/c550
- In combination with EASY UI Designer and v430/v450 web panel ready for state-of-the-art web-based machine visualizations

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Product information

c430/c520/c550 controller

Easy to use

- Maintenance-friendly thanks to a battery-free design
- Easy device replacement thanks to pluggable memory card

Connectivity enables simple machine integration

- Standardized interfaces and standardized protocols
- Supports industry standards such as OPC UA
  (DA Server) and EtherCAT

Computing power for sophisticated tasks

- The c550 controller provides the most powerful Intel®
  Core™ i industrialgrade CPU currently available for highly
  compact designs

c550 controller

Technical data

	c430	c520	c550
Design/mounting			
	DIN rail		
Degree of protection			
	IP20		
Market approvals			
Approval	CE, UKCA, UL		
Environment	RoHS		
Processor			
	Arm® Cortex®-A9 800 MHz	Intel Atom® 1.6 GHz	Intel® Core™ i7 2.8 GHz
Operating system			
	RT Linux		
Memory			
Flash memory	4 GB		8 GB
RAM memory	2 GB		4 GB
Retain data	512 kB	1024 kB	
Interfaces			
Fieldbus network	1x EtherCAT master		
	Switchable fieldbus function: Ethernet switch, PROFINET IO-Device, or EtherCAT slave	PROFINET IO-Device (Option) EtherCAT slave (Option)	
Ethernet	1x Ethernet 100 Mbps/s	1x Ethernet 1000 Mbps/s	
USB	1x USB 2.0	2x USB 2.0	
Voltage supply	24 V DC (3-pole terminal)		
Cooling			
	Passive		Controlled fan (replaceable)
Ambient operating temperature	3K3 (0 … +60 °C) EN IEC 60721-3-3		

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