

Powerful – everything under control.



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

This new product range will enable you to easily realize high-end control applications, such as printing machines with many printing units or picker lines with multiple robots. Using the software modules provided through FAST, this makes it possible to realize modern and modular machine controls.

Highlights

- High computing power provides a powerful solution to complex control tasks.
- Maintenance-friendly and resilient: The batteryless design and extended ambient operating temperature of 60 °C (140 °F) enable utilization in all areas of industry.
- The engineering tools are the same as for all other Lenze products, which enables you to continue to use the tools you are familiar with.

c520 and c550 – at a glance

Easy to use

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

Computing power for sophisticated tasks

- We provide the most powerful Intel® Core™ i industrial-grade CPU currently available for highly compact designs

Connectivity enables simple machine integration

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

I/O system 1000 as local I/Os

- Permanent wiring through separation of the electronic and base module
- Easy connection thanks to the printed-on circuit diagram
- Fully integrated shield connection without the need for special shield terminals



c520



c550



c550 with I/O system 1000

Technical data

Controller	c520	c550
CPU technology	Intel Atom® 1.6 GHz	Intel® Core™ i7 2.8 GHz
Operating system	RT Linux	
Retain data	1,024 kB	
Interfaces	1x EtherCAT master 1x Ethernet 1000 Mbps 2x USB 2.0	
Optional interface	PROFINET device	
Operating temperature	+60 °C / +140 °F	
Cooling	Passive	Controlled fan (replaceable)

c750 – At a glance

IT meets OT - more freedom in the PLC system

The c750 control unit brings together the worlds of OT (Operational Technology) and IT (Information Technology). For this purpose, the PLC is extended by the functionality of an industrial PC via the open system from Lenze.

The open system architecture serves to divide the computing power into two independent operating systems. One operating system is responsible for control tasks, the other is an open Windows 10 IoT for your specific software applications.

Your advantage: Windows-based applications can be directly executed in the Open System area of the controller and communicate with the PLC area via a secure connection. A separate industrial PC is not required.

Examples of specific software applications

- Evaluation of vision systems, bar code readers, RFID readers and 2D/3D scanners
- Database applications
- Recipe management
- Data evaluation and pre-processing for transmission to cloud environments



c750

Technical data

Controller	c750
CPU technology	Intel® Core™ i7 2.8 GHz
Operating system	RT Linux
Open operating system	Windows 10 IoT
Retain data	1,024 kB
RAM memory	6 GB total for PLC and open system
Hard disk (CFast card for industrial use)	32 GB incl. Windows 10 IoT (standard) 64 GB incl. Windows 10 IoT (optional) 128 GB incl. Windows 10 IoT (optional)
Interfaces	1x EtherCAT master 1x Ethernet 1000 Mbps 2x USB 2.0
Open system interfaces	1x Ethernet 1000 Mbps 2x USB 3.0 DisplayPort
Optional interface	PROFINET device
Operating temperature	+60 °C / +140 °F
Cooling	Controlled fan (replaceable)

Accessories for c520/c550/c750



Power supply unit



USB flash drive



SD card

Accessories	Features		Order code
Power supply unit	+24 V DC 5 A	Input voltage: 230 V	EZV1200-000
		Input voltage: 400 V	EZV1200-001
	+24 V DC 10 A	Input voltage: 230 V	EZV2400-000
		Input voltage: 400 V	EZV2400-001
USB flash drive	4 GB		EPCZEMUS6
SD card	512 MB, FAST Application Software	50 Application Credits	EPCZEMSD0L1005
		100 Application Credits	EPCZEMSD0L1010
		150 Application Credits	EPCZEMSD0L1015
		200 Application Credits	EPCZEMSD0L1020
		300 Application Credits	EPCZEMSD0L1030
		400 Application Credits	EPCZEMSD0L1040
		500 Application Credits	EPCZEMSD0L1050
		600 Application Credits	EPCZEMSD0L1060
		700 Application Credits	EPCZEMSD0L1070
		1000 Application Credits	EPCZEMSD0L1100
		1200 Application Credits	EPCZEMSD0L1120
		1500 Application Credits	EPCZEMSD0L1150
		2000 Application Credits	EPCZEMSD0L1200
		2500 Application Credits	EPCZEMSD0L1250
		3000 Application Credits	EPCZEMSD0L1300
4000 Application Credits	EPCZEMSD0L1400		