

# The compact heart of your automation systems.



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Control and visualisation functions in one compact unit.

The c300 and 3200 C cabinet controllers offer everything that automation specialists expect from a control system: a compact design, easy handling, reliable operation, large power reserves and an extensive range of equipment.

## Highlights

- Designed for central motion control
- Logic (PLC), motion and visualisation in a single device
- No maintenance required thanks to batteryless and fanless design
- High degree of system availability
- Integrated UPS solution
- Easy device replacement thanks to pluggable memory card



# c300 and 3200 C – at a glance



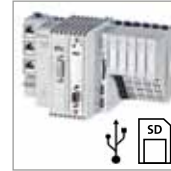
## Logic (PLC), motion and visualisation in a single device

- Optimised for machines/modules with central motion control
- Easy engineering thanks to central data storage



## High-precision control for optimum production results

- Touch probe-compatible inputs
- Pinpoint output control accuracy
- Highly deterministic backplane bus with precise 1 µs time stamp



## Easy to use

- Automated standard set-up and data backup via USB flash drive
- Easy device replacement thanks to pluggable memory card
- Diagnostics through integrated web server



## Prepared for the future thanks to compliance with industrial standards

- Programming in IEC61131-3
- Motion as per PLCopen
- PLC Designer based on CODESYS 3



## Communicative

- Linear cabling through integrated Ethernet switch (only 3200 C)
- EtherCAT as a fast bus system directly on board
- Precise tailoring thanks to modular extension options



## I/O system 1000 as local I/Os

- Permanent wiring through separation of the electronics and base module
- Easy connection thanks to inclusion of printed circuit diagram
- Fully integrated shield connection without special shield terminals

Version				
Controller	c300	3221 C	3231 C	3241 C
Processor type				
Fanless	ARM Cortex A8 800 MHz	Intel® Atom™ 1.1 GHz	Intel® Atom™ 1.6 GHz	
Memory				
SD card	≥128 MB		≥128 MB	
RAM	256 MB		1 GB	
Flash memory	2 GB		2 GB	
Interfaces				
Ethernet	1		2	
EtherCAT	1*		1	
CAN	1			
USB	1	2	3	
DVI-D			1	
ACU (external energy storage)				1
Option	PROFIBUS Slave* PROFINET Device*		CANopen PROFIBUS Slave PROFINET Device	
Operating system				
	Windows® Embedded Compact 7		Windows® CE6.0	
Large retain memory				
	128 kB		60 kB	1,024 kB
Runtime software				
			Logic	
			Motion	
			VisiWinNET® Compact CE 500 Power Tags	

\* in preparation