c300 and 3200 C
Cabinet controllers

The compact heart of your automation systems.

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

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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
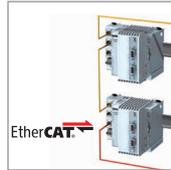- Highly deterministic backplane bus with precise 1 µs time stamp

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	512 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	
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

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