

The compact heart of your automation systems.



Control and visualization 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.

Features

- Designed for central motion control
- Logic (PLC), motion and visualization in a single device
- Design does not include a battery or fan providing no required maintenance
- High degree of system availability
- Integrated UPS solution
- Easy device replacement as a result of a pluggable memory card



c300 and 3200 C – at a glance



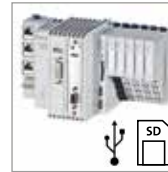
Logic (PLC), motion and visualization in a single device

- Optimized for machines/modules with central motion control
- Easy engineering due 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



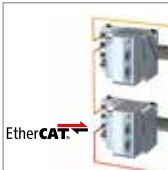
Easy to use

- Automated standard set-up and data backup via USB flash drive
- Easy device replacement as a result of a pluggable memory card
- Diagnostics through an integrated web server



Prepared for future compliance to 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 as a result of modular extension options



I/O system 1000 as local I/Os

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

Mode				
Controllers	c300	3221 C	3231 C	3251 C
Processor type				
Fanless	ARM Cortex A8, 800 MHz	Intel® Atom™ 1.46 GHz	Intel® Atom™ 1.75 GHz	Intel® Atom™ 1.91 GHz
Memory				
SD card	≥512 MB	≥512 MB		
RAM	512 MB	2 GB		
Flash memory	2 GB	4 GB		
Interfaces				
Ethernet	1	2		
EtherCAT	1	1		
CAN	1			
USB	1	2	3	2
DVI-D			1	
Option	PROFINET Device	CANopen EtherNet PROFIBUS Master/Slave PROFINET Device RS232/RS485		
Operating system				
	Windows® Embedded Compact 7	Windows® CE 6.0		
Large retain memory				
	128 kB	60 kB		
Runtime software				
	Logic			
	Motion			
			VisiWinNET® Compact CE 500 Power Tags	