

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.

Features

- 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



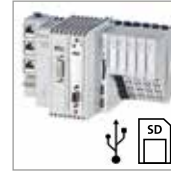
Logic (PLC), motion and visualisation in a single device

- 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 via 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 electronic and base module
- Easy connection thanks 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 |
| DVI-D | | | | 1 |
| Option | PROFINET Device | | | CANopen PROFIBUS Slave PROFINET Device EtherNet/IP-Adapter RS232/RS485 |
| Operating system | | | | |
| | Windows® Embedded Compact 7 | | Windows® CE 6.0 | |
| Large retain memory | | | | |
| | 128 kB | | 60 kB | 1,024 kB |
| Runtime software | | | | |
| | Logic | | | |
| | Motion | | | |
| | | | VisiWinNET® Compact CE 500 Power Tags | |