p300 and p500
Panel controllers

It's easy with everything on the screen.

Control and visualisation functions in one compact unit.

The two robust p300 and p500 panel controllers are based on a uniform, modern system architecture.

The p300 combines logic (PLC) and visualisation functions in a single unit and is particularly impressive when used as an HMI.

The p500 panel controller also combines motion functionality with logic (PLC) and visualisation functions in a single device. It is ideally suited for use as a control and visualisation system in applications with central motion control or as a visualisation device in applications for decentralised motion control.

Features

- For basic to complex control and visualisation tasks
- 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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p300 and p500 – 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

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

High degree of system availability
- Maintenance-free
- No cooling fan
- No battery

Prepared for the future thanks to compliance with industrial standards
- Programming in IEC61131-3
- Motion as per PLC open, with p500
- PLC Designer based on CODESYS 3

Communicative
- Linear cabling through integrated Ethernet switch (only p500)
- EtherCAT as a fast bus system directly on board
- Precise tailoring thanks to modular extension options

Variable front panel concept
- Easy customizing of the front panels (foils, smart customizing)

Mode	p300			p500		
Screen diagonal	10.9 cm (4.3")	17.8 cm (7")	26.4 cm (10.4")	17.8 cm (7")	26.4 cm (10.4")	38.1 cm (15")
Processor type						
No cooling fan	ARM Cortex A8 800 MHz			Intel® Atom™ 1.75 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		
Resolution	480 x 272	800 x 480	800 x 600	800 x 480	800 x 600	1024 x 768
Option	PROFINET Device			CANopen, EtherNet/IP-Adapter PROFIBUS Slave PROFINET Device RS232, RS485		
Operating system						
	Windows® Embedded Compact 7			Windows® CE 6.0		
Touch						
	Resistive			Resistive		
Retain memory size						
	128 kB			1,024 kB		
Runtime software						
	Logic			Logic		
				Motion		
	VisiWinNET® Compact CE 500 or 1000 Power Tags			VisiWinNET® Compact CE 1000 Power Tags		

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