



Product View

The complete range of our engineering skills



Demoversion:

www.speed7studio.com



Intelligent

+

intuitive

+

open

=

immediate access

SPEED7 Studio - the engineering software from VIPA that allows a more economic and efficient use of all new VIPA controllers



Hardware configuration

- Clever Drag & Drop functions
- Tool tips
- Photo realistic display of the modules
- the automatic calculation of the electricity demand in the SLIO system



Networking

- PROFIBUS
- PROFINET
- EtherCAT and
- Standard-Ethernet



Programming

- IL, FBD, LAD and SCL
- Clearly structured color scheme
- Clearly identified hierarchical levels
- Cross-reference list
- and many more features



Motion Control

- Drive configuration
- Multi-axial applications
- Law of motion of VDI 2143
- High performance clock synchronism



Visualization

- 1st variant
 - Web based vector oriented graphics
 - independent of location and runtime
- 2nd variant
 - SCADA interface



Test & Diagnosis

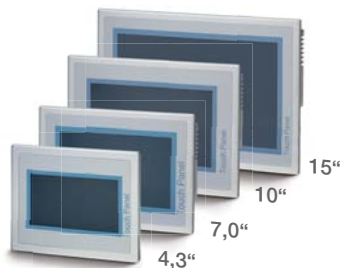
- Simplified access in EtherCAT
- Automatic reading of connected EtherCAT hardware
- Fast and clear project engineering and parameterization
- A clear and structured testing of complex systems in advance

HMI



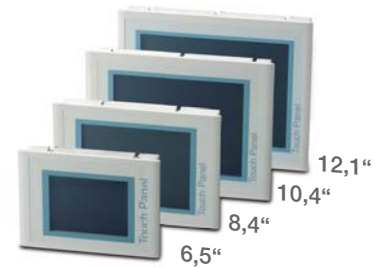
Line displays

- Ideal for small control and operation tasks
- Easy to handle
- Enormously robust
- Protect type IP 65



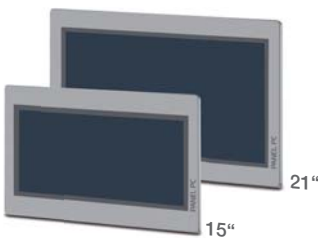
eco Panels

- Pre-installed Movicon runtime and Windows Embedded CE 6.0 operating system
- Powerful, durable, robust
- Remarkably fast
- Multilingual
- By means of the VNC client software you can also have access to your eco Panel via teleservice
- Protect type IP 65



professional Panels

- Integrated web server
- Simple database communications
- All professional Panels can be controlled from every PC in the company
- Powerful processors
- Up to eight interfaces: RS232-, RS485-, RS422-, MPI-, PROFIBUS-DP slave, Ethernet RJ45-, USB-A- and USB-B interfaces (depending on version)
- Particularly small mounting depth of only 37 to 45 mm
- Horizontally and vertically deployable
- Unique and easy mounting
- Powerful, durable, robust
- Protect type IP 65



Panel PCs

- Industrial PC with ultra modern performance features
- Optimum display options
- High performance in a very small space
- The latest Intel Atom processor technology
- Full HD display resolution
- Protect type IP 65

eco+ Panels

- Processor clock frequency 667MHz at 4,3" and 7" panels
- Operating system Windows Embedded CE 6.0 Professional
- Otherwise identical with the eco Panels

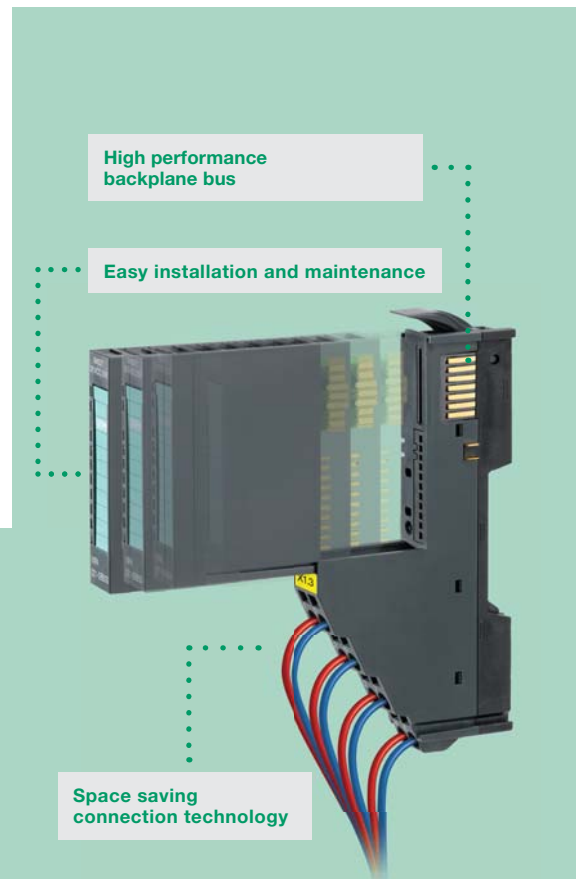
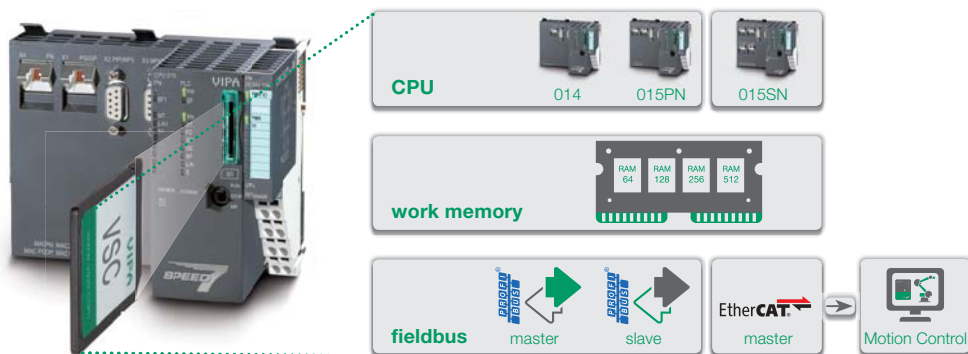
Movicon





SLIO - powered by SPEED7 - is a modular and extremely compact control and I/O system which can be combined and deployed with every established VIPA system and those of other producers.

Activated CPU features



High performance backplane bus

Easy installation and maintenance

Space saving connection technology

Clear status and diagnosis monitoring

Clever, user friendly labeling



200V



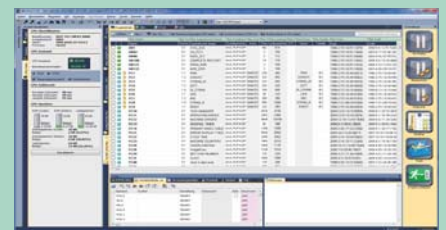
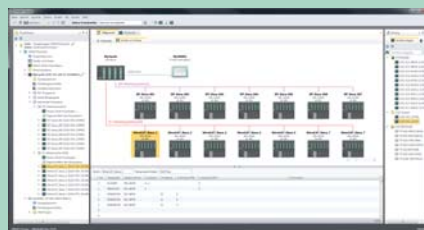
200V - is a modular control system for centralized and decentralized applications. Its compactness in combination with the instruction set of a S7-300 CPU makes the system 200V a fundamentally solid and unique system.

Memory



- Work and load memory already integrated
- Operation without additional memory card

Programming



- Programmable with VIPA SPEED7 Studio and WinPLC7 from VIPA, or tools of other manufacturers in LAD, FDB and STL

Performance and application



- 200V designed for centralized and decentralized automation tasks

Modules



- Well thought out concept and large variety of modules

Communication



- Fieldbus master and slave modules for the communication with different fieldbus protocols

300S



300S, powered by SPEED7 - one of the fastest and most powerful systems, programmable with the SPEED7 Studio from VIPA and STEP 7 and partly with the Siemens TIA-Portal.

SPEED bus



- For very fast applications – CPUs with patented VIPA-SPEED bus

Interfaces



- Besides the MPI and PtP interface, there is an integrated Ethernet-PG/OP interface

Memory management



- Expand your work memory by inserting a VIPA MCC without changing the CPU

Performance



- With the enormously powerful SPEED7 chip you hardly have any limits in automation technology

User friendly



- All 300S are programmable via VIPA SPEED7 Studio or via tools of other manufacturers such as STEP7

Compatible



- The combination of VIPA modules with modules of other manufacturers is possible



YASKAWA - a worldwide leading supplier of Motion Control products and one of the innovators in the drive technology market for decades.

J1000 The compact inverter

- Extremely small
- Minimum installation and programming effort
- Stall prevention functions for stable operation in case of changes in load or power supply

V1000 Best inverter of its class

- Open Loop Vector control for induction and PM motors
- Variously deployable
- PLC functions within the inverter
- Also available in IP66 and fan-free

A1000 Inverter with max. performance

- Open Loop Vector control for induction and PM motors
- Variously deployable
- PLC functions within the inverter
- Also as IP54 Wall Mount, IP54 Ready and pre-configured control cabinet IP23/54 Floor Standing

D1000 Regenerative Converter Unit

- Braking transistors and resistors are not required, so less installation space and less waste heat
- Sinusoidal input current reduces the strain on the power supply system
- Low energy consumption due to common DC bus systems – the braking energy of one drive is consumed by other drives of the system

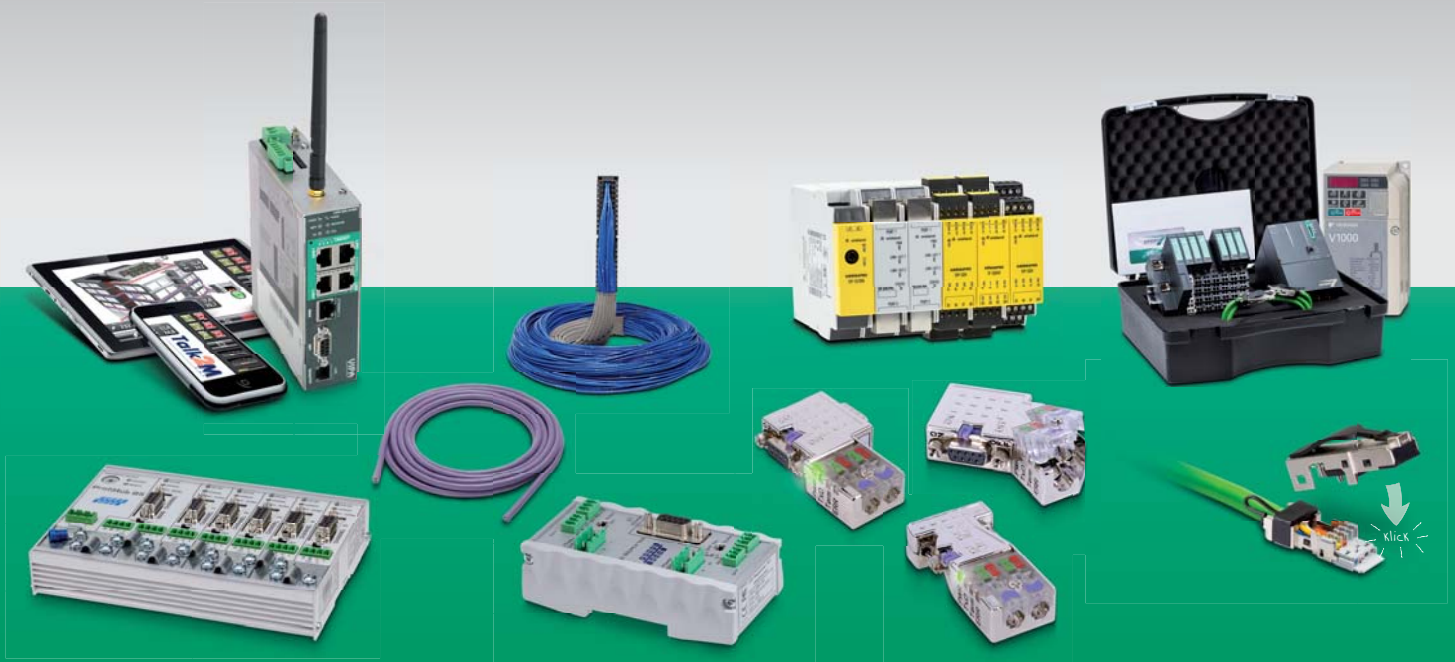
Sigma-5-Servo family Precise, scalable and highly dynamic

- Extensive selection of motor and amplifier power
- 1,6 kHz bandwidth of the speed loop
- STO safety module SGDV-OSA01A expandable
- Highest positioning accuracy of up to 10nm with high-resolution rotary encoder
- Fast and easy installation

SPRiPM solution IE4+ Extremely efficient drive package

- Compact and space saving
- Eco-friendly - exceeds the efficiency demands IE4 in accordance with IEC/TS 60034-31
 - Motor parameter are already pre-installed in the in frequency inverters
 - Highly efficient for lower operating costs
 - Amortizes in less than 2 years

Accessories and other products



VIPA Teleservice modules

- For secure access to systems and machines anywhere in the world
- Web-based configuration

ProfiHub B5

- Advanced, flexible and robust IP20 Profibus DP repeater
- Implementation of long spur lines and backbone structures with star and tree structures

PROFIBUS Repeater B1

- Innovative alternative to the competition without technological limitations of the existing repeaters
- Fulfills the high requirements of the industry concerning electrics, mechanics and diagnostic capability

samosPRO

- Safety micro controller for the monitoring and control of mechanical and system engineering applications
- Compact, fast and modular

EasyConn plugs

- Trouble-free connection of all PROFIBUS devices
- Visual connection control via integrated diagnosis LEDs

PROFINET plugs

- For the universal deployment in the office, in industry or the in cabling of buildings
- Consists of only 2 parts, thereby significantly reducing the installation efforts

Pre-wired front connectors

- Various cable lengths
- For 20 and 40 pole connections of our 300S system and identical products of other manufacturers

Green Solution

- An easily and reliably working energy management system
- For very easy certification in accordance with DIN EN ISO 50001 or DIN EN 16247

StarterKits

- Low priced access
- Completely preassembled for immediate application in a robust carrying case

