VIPA

Main Catalog 2012/2013

for specialists in automation and control technology

www.vipa.com

VIPA

Welcome to VIPA

This is VIPA

- Specialists in automation and control systems.
- Developer in some to the most advanced products in the PLC field.
- Developer of some of the world's fastest hard PLCs of their class.
- Developer of technologies that are now the industry standard.
- Global Player with branches in 60 countries.
- Extremely customer oriented and flexible.

Wolfgang Seel | CEO

VIPA has traditionally been amongst the most innovative suppliers of memory-programmable controllers (PLCs) in the market and is growing worldwide, with double-digit growth rates. Therefore, VIPA belongs to the still young, but also exceptionally successful companies in the Automation market.

Our success is based on five pillars:

- High rate of innovation and quick decision making
- Various unique features
- A convincing cost-performance ratio
- Commitment and competence of our employees
- Cooperation with powerful partners

Our aspiration:

- Constantly continue to improve existing technologies, but also to introduce new and innovative trends in the market.
- Continuous flexible adaptation of our products to current market needs and to further increase our market acceptance.
- Continue to develop our personnel resources in sales, development, quality assurance and service in accordance with our revenue growth.
- Enter into cooperation agreements with powerful partners and to increase our market share through joint market cultivation.

To meet this aspiration, we consider it as our aim, also in the future, to improve what is established, to question, revise or develop completely from new.

Furthermore we want to make available to our partners and customers also in the future through continuous innovation and smart system maintenance unique technological features with which together we can gain new and satisfied system users.

With our highly motivated employees, we're working hard on improving our quality, service and the satisfaction of our customers and partners. Convince yourself of the possibilities that our automation solutions and systems offer, and discover how with us you can sustainable increase your competitiveness.

Strengthened by above-average growth, we are determined to continue our successful path in the future.
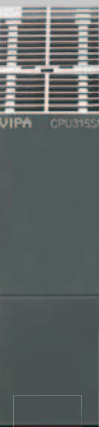
We look forward to cooperating with you!

Wolfgang Seel
CEO

We speak your language …

EtherNet/IP™

DeviceNet™

PROFI NET®

EtherCAT®

PROFI BUS®

SPEED7 ensures your lead

- a flexible automation platform
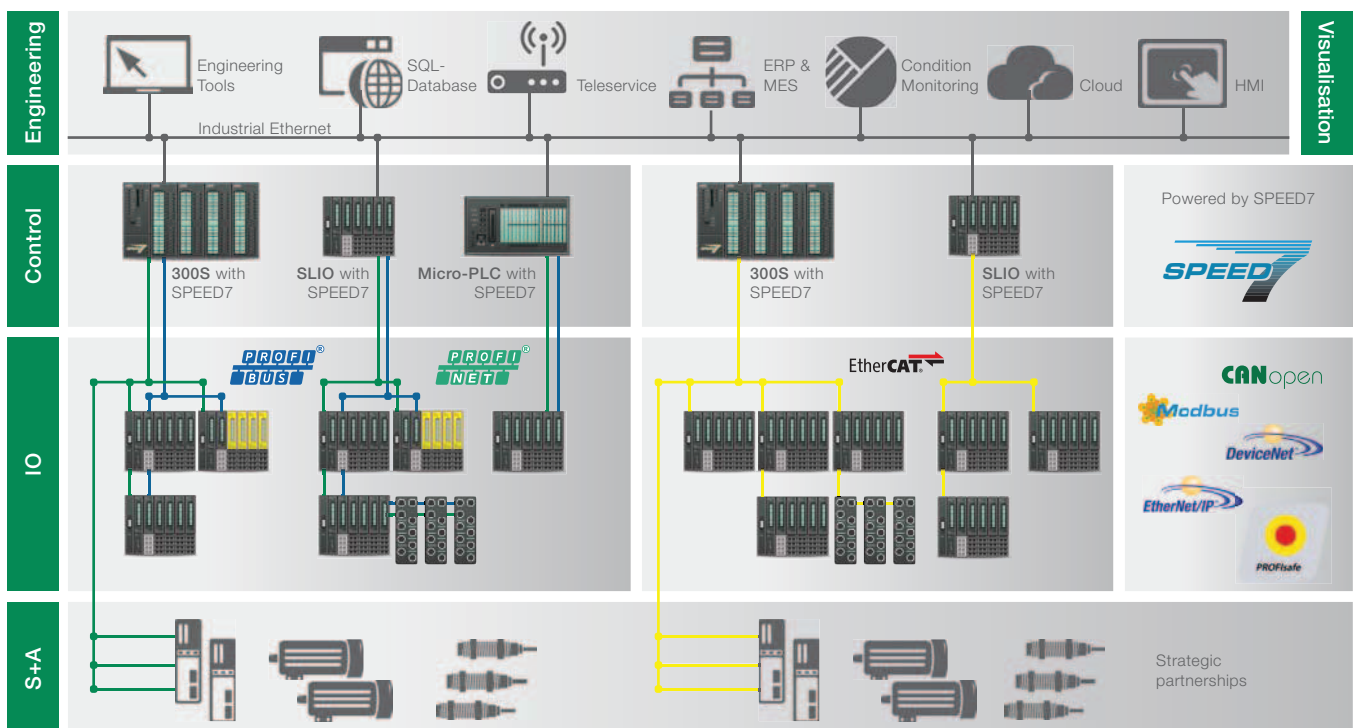- and one of the fastest STEP7 PLC processors in the world!

SPEED7 technology offers developers a modular building block, with which a high-performance automation system can be developed in the shortest time on an open STEP7 architecture.

- SPEED7 ensures maximum speed with all applications and, for example, the highest clock rates.
- SPEED7 upgrades also older systems to a modern standard.
- SPEED7 processes vast amounts of data in real time.

CANopen

Green. Smart. Wireless.
enocean

SPEED7

Modbus

INTERBUS

… and in future also that of almost all systems

Engineering						Visualisation
Engineering Tools	SQL-Database	Teleservice	ERP & MES	Condition Monitoring	Cloud	HMI

Industrial Ethernet

Control

300S with SPEED7 | SLIO with SPEED7 | Micro-PLC with SPEED7 | 300S with SPEED7 | SLIO with SPEED7

Powered by SPEED7

SPEED7

IO

PROFIBUS | PROFINET | EtherCAT

CANopen
Modbus
DeviceNet
EtherNet/IP
PROFIsafe

S+A

Strategic partnerships

System solutions

Professional benefits for professional applications

- **Consistent standardization**
  All systems are programmable with VIPA WinPLC7
  programming tool and/or with STEP7 from Siemens and in
  the future with the new "VIPA Suite".

- **Increase of productivity**
  Significant reduction in cycle times of user programs
  by SPEED7 technology with reduced power dissipation.

- **High efficiency**
  Above average basic features of the systems, integrated
  RJ45 Ethernet interface for PG/OP communication,
  optional integrated SPEED-Bus.

- **Absolute flexibility**
  Mixed operation for example with VIPA CPUs
  and Siemens assemblies possible.

- **Open communication possibilities**
  Supports internationally established communication standards
  like Ethernet, PROFIBUS, CANopen, EtherCAT, Modbus,
  EtherNet/IP, DeviceNet, Interbus, PROFINET and ASi.

Automotive:

An industry that needs solutions like on an assembly line. Ever increasing range of models, more and more complex technology, ever faster product cycles. Whoever wants to survive here, must be able to refine, expand, and accelerate his technology.

Renewable energy:

In principle every installation of a VIPA control system has its own energy policy - on starting up the efficiency increases right away, often the consumption of raw materials sinks and his conscience is eased.

Building automation:

Low energy is the goal, high performance is our way… Here our control systems are more intelligent than some specifications.

Food & Beverage:

Multi-purpose demands: Flash-freezing and autoclaving, vaccum packing and pressurized filling go on here. The whole thing under the toughest hygene conditions and always under time pressure.

Handling and storage technology:

In order that the delivery rate never stands still, not only are tailor-made PLC systems designed at VIPA, but also precise, effective time schedules for their installation.

Environment:

Regardless of whether it's a question of renewable energy or water/sewage: The very strict requirements in terms of robustness, compact design and of energy consumption of the controllers can be excellently implemented with our automation technology.

Packaging:

The most important factor in this industry: Speed. Because many commodities are perishable, deliveries must arrive just in time and demand simply fluctuates.

Water/Sewage:

That a manufacturer of control engineering knows how a sewage plant works seems unusual. But this is typical VIPA. At VIPA no one turns his nose up when it comes to dealing with anaerobic digestion tanks, activated sludge and denitrification.

„If you don't know the destination, then you have no route." (Christian Morgenstern)

500S PC control system for complex tasks. And also one of the fastest control systems programmable with STEP7

100V Control system for cost-sensitive and small applications

300S One of the fastest control systems programmable with STEP7

200V Modular control system for central and decentral applications

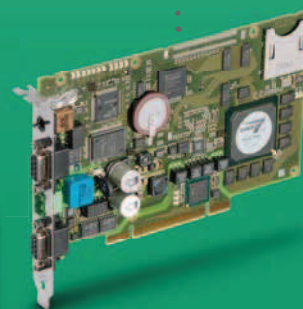1985

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VIPA

profichip®
automation in silicon

Foundation of
profichip GmbH

Foundation of **VIPA GmbH**
by Wolfgang Seel

Move to the **new headquarter**
of VIPA and profichip in
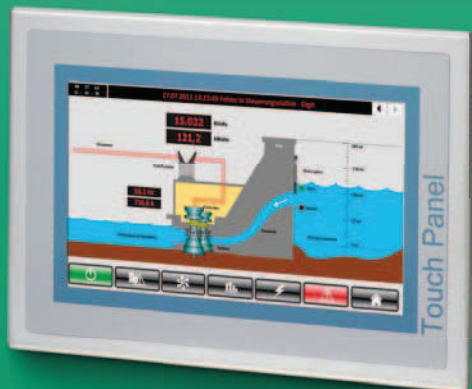Herzogenaurach

Operating / monitoring devices
From two-line displays
to touch panels

Accessories
enhanceing, linking,
optimizing

SLIO One of the most effecient
and most modern decentral I/O
systems in the world

Software for convenient
programming and
parameterization

VIPA

Manuals & More

Touch Panel

2012

INNOVATIONSPREIS
2007

initiative
mittelstand
2007

KATEGORIESIEGER

INDUSTRIE
PREIS 2008

TOP
100

Winner of the innovation prize
„**Initiative Mittelstand 2007**"
for the SPEED7 technology

awarded with the **Jobstar** of
Metropolitan Region Nuremberg

Winner of the industry prize
„**Industrie Preis 2008**" for
the SPEED7 technology

Honoured as top
innovator by **Top100**

At a glance

| Software

Software

Structure and Function

Software tools allow a comfortable programming and parameterization of VIPA systems and other automation concepts. These software tools are included on the tool demo CD (SW900T0LA) as activatable full versions.

OPC-Server

The OPC-Server provides the standard interface for accessing data from OPC clients to PLC systems from different manufacturers. The OPC-Server supports TCP/IP networks via standard network cards as well as MPI networks that have one or more COM ports, an MPI-serial converter and/or are connected via VIPA MPI-USB adapter.

Programming Software

WinPLC7 is a programming system for Systems 100V up to 500S as well as for the Siemens controllers S7-300 and S7-400.

Parameterization Software

Different parameterization tools are available to users:

TD-Wizard: Parameterization tool for VIPA TD 03

WinNCS: PROFIBUS-DP and Ethernet- parameterization/configuration by VIPA controllers and communication processors

WinCoCT: Configuration of CANopen networks with VIPA System

OP-Manager: Parameterization tool for VIPA OP 03 and CC 03

Other Software and Tools:

▷ WinPLC Analyzer for PLC user programs

▷ WinLP - Labeling software for VIPA System 200V

▷ EPLAN macros - technical information and drawings to the VIPA systems 100V, 200V, 300S and HMI

▷ Handling blocks - Libraries for VIPA systems and components

▷ Demo projects - configurations for VIPA System 200V and 300S

▷ GSD/EDS files - configuration files for PROFIBUS-DP and CANopen

▷ How-to-do - initial operation information

Communication software

Order number	Type	Description	Note
SW110A1LA	OPC server MPI driver	Single licence, part of the ToolDemo CD SW900T0LA	
SW110A2LA	OPC server RFC1006 driver	Single licence, part of the ToolDemo CD SW900T0LA	
SW110A3LA	OPC server TCP/IP driver (read/write)	Single licence, part of the ToolDemo CD SW900T0LA	

Programming software

Order number	Type	Description	Note
SW211C1DD	WinPLC7 - Single licence, CD, German, Tool for STEP7 from Siemens	Programming-, test-, diagnosis- and simulation software for VIPA Systems and S7-300 from Siemens, STL-, LAD- and FBD programming	
SW211C1ED	WinPLC7 - Single licence, CD, English, Tool for STEP7 from Siemens	Programming-, test-, diagnosis- and simulation software for VIPA Systems and S7-300 from Siemens, STL-, LAD- and FBD programming	
SW211D1DD	WinPLC7 - Single licence, CD + Dongle, German, Tool for STEP7 from Siemens	Programming-, test-, diagnosis- and simulation software for VIPA Systems and S7-300 from Siemens, STL-, LAD- and FBD programming, Download version: http://www.winplc7.com/v5/vipa-download.htm	
SW211D1ED	WinPLC7 - Single licence, CD + Dongle, English, Tool for STEP7 from Siemens	Programming-, test-, diagnosis- and simulation software for VIPA Systems and S7-300 from Siemens, STL-, LAD- and FBD programming, Download version: http://www.winplc7.com/v5/vipa-download.htm	
SW211K1OD	WinPLC7 - Single licence, Key, Tool for STEP7 from Siemens	Programming-, test-, diagnosis- and simulation software for VIPA Systems and S7-300 from Siemens, STL-, LAD- and FBD programming, Download-Version: http://www.winplc7.com/v5/vipa-download.htm	
SW211K2OD	WinPLC7lite - Single licence	Licensable with System 100V CPUs, included on SW900T0LA ToolDemo CD, registration via Internet possible	

SLIO

100V

200V

300S

500S

HMI

Software

Accessories

Appendix

Parameterization software

Order number	Type	Description	Note
SW300O1LA	OP-Manager	Single licence, parameterization tool for OP 03	
SW300T1EA	TD-Wizard	Parameterization tool for TD 03 (included on Tool Demo CD SW-900T0LA)	
SW300C1EA	WinCoCT	Single licence, CANopen configurationc tool	
SW300P1LA	WinNCS parameterization software	Universal parameterization and configuration tool, components engineering, Ethernet protocols, TCP/IP, SINEC H1, IPK, RFC1006 - PROFIBUS-DP (2BF), included on Tool Demo CD SW900T0LA	

Analysis tool

Order number	Type	Description	Note
SW711A1LA	WinPLC-Analyzer	Single licence, CD + dongle, German/English, for VIPA Systems and S7-300/400 from Siemens (in combination with WinPLC7), incl. driver	
SW711A2LA	WinPLC-Analyzer	Single licence, CD + dongle, German/English, for VIPA Systems and S7-300/400 from Siemens, incl. driver	
SW900T0LA	ToolDemo-CD, complete VIPA software collection	Demo versions/registration possible, WinPLC7, Movicon11 Editor, OP manager, TD wizard, OPC server, WinCoCT, WinNCS, GSD-/EDS files, handling blocks, drivers, How-to-do's	

Manuals and operating instructions

Order number	Title	Contents	Language
S7-CRASHKURS-EX	STEP®7-Crashkurs Extended Edition, german/englisch	Practical introduction into PLC programming with simulation software WinPLC. Targeted at users looking for introduction into PLC programming software STEP®7 and practical experience at the same time.	DE/EN
HB45D	Manual OPC-Server, German	Installations and operating manual OPC server	DE
HB45E	Manual OPC-Server, English	Installations and operating manual OPC server	EN
HB91D	Manual WinNCS, German	Installations and operating manual WinNCS	DE
HB91E	Manual WinNCS, English	Installations and operating manual WinNCS	EN
SW900H0LA	Manuals-/Catalog-DVD	Complete documentation on DVD	DE/EN

SLIO
100V
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500S
HMI
Software
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Appendix