VIPA MICRO

The micro control series powered by SPEED7

Modern, compact and fast

CPU FACTS

- SPEED7 performance
- 16 digital inputs
- 12 digital outputs
- 2 analog inputs
- 4 counter and 2 PWM/PTO
- 2 active Ethernet ports
- 64...128 kB work memory
- Multi-programmable
- Multi-lingual
  (IL, FBL, LAD, SCL, GRAPH)
- WebServer/WebVisu
- PROFINET controller & I-Device
- External memory option
  via SD card (up to 2GB)
- Less power loss of max. 7W

10-100x times faster than usual controllers thanks to the latest SPEED7 technology

removable plug with Push-in technology for installation without tools

up to 8 modules connectable

100% remanent and external SD-Card for memory extension

2 times switch for PROFINET and active Ethernet connection

very fast backplane bus

up to 50% less volume

ELOQUENT

Serial communication

- ASCII
- USS
- 3964(R)
- STX/ETX
- MPI
- PROFIBUS
- Modbus RTU

Modbus

PROFI BUS ®

Ethernet communication

- Modbus TCP
- Networking
- Diagnosis
- Monitoring
- PROFINET

PROFI NET ®

COOLIBRI

Kolibri [Ko|li|b|ri], der; -s, (small bird)

A new CPU has flown into our model range: The new MICRO PLC! Modeled on nature. With the enormous performance of a consistenly high number of beats combined with further special capabilities, maximum results can be achieved in the smallest space.

The system MICRO

The combination of high functionality and excellent performance within the smallest type offers new options for process optimization and increased performance. Even in the smallest plants and machineries.

With the MICRO PLC we launch a completely new control concept. The MICRO PLC is not only small, compact, and has extremely fast communication, but there are some more benefits. Detachable connecting plugs that simplify the pre-wiring, and the connected installation, as well as the channel-accurate LEDs directly on each contact are just a few examples. A clear & modern design meets the latest technology and user friendly features in the MICRO PLC. Our endeavor is to get you started right away with your projects and ideas.

Of course you don`t need to learn new programming languages. As usual, you can continue to use and apply your S7 know-how. Besides the cost-free SPEED7 Studio you can also use the engineering tools of other manufacturers to program and parameterize the MICRO PLC fully.

We are well-known for over 30 years as a lateral thinker and master in miniaturization. The MICRO PLC offers maximum performance in the smallest area of your installation. The minimum installation size opens up completely new planning concepts for a wide range of applications.

Webserver

The latest Micro PLC have an integrated web server, which allows arbitrary access via smartphone, laptop & Co. on data, diagnostics and status interfaces as well as freely definable visualization projects

PROFI NET ®

In addition to standard Ethernet protocols such as Modbus TCP or S7 communication, the Micro now also speaks Profinet. This means that up to eight Profinet devices can be easily connected and/or the Micro can be integrated as an I-Device in Profinet topologies.

HIT THE GROUND RUNNING

available modules

16 DI M21-1BH00	**4 AI 16Bit** (U/I/RTD/TC) M31-1CD50	**Serial communication**	
16 DO M22-1BH00	**4 AO 12Bit** (I) M32-1BD40	**2x RS485** M09-0CB00	
8 DO RELAIS M22-1HF10	**4 AO 12Bit** (U) M32-1BD70		
8 DI / 8 DO M23-1BH00			

cost free
engineering tool
SPEED7 Studio

SPEED7 Studio

Fast, faster, MICRO
Design revolution
High channel density Target application
Firm hold with cage clamp technology

YASKAWA