

# Slice by slice

Programmable I/O adds CODESYS  
control, cut to your requirements



**The Programmable I/O combines powerful CODESYS control with the opportunity to build control systems to the exact size and specifications for the I/O signals involved. The Programmable I/O makes excellent sense, no matter how you slice it.**



**CODESYS**

# Build

Solutions with slice I/Os for a bigger piece of the profits



**Unnecessary costs cut into your profits. With slice I/Os, what you use is what you pay for**

## **Build to size with flexible slice I/Os**

Slash your costs with price efficient automation. Our flexible Programmable I/Os mean you can be sure that you only pay for what you actually use. You're not limited to your original set-up either, so you can adapt and expand for a truly scalable solution that grows with you.

## **A few sharp components satisfy a wide range of applications**

The solution gives you the building blocks for a flexible control solution. You start with a compact bus node and add slice I/O modules to fit your exact needs. The space-saving format lets you build everything from a complete node with 64 I/Os in a space of just 90mm to a larger, more complex system. The choice is yours.

## **Designed for stability**

The Programmable I/O is mounted on a standard 35mm DIN rail and features removable cage clamp connection terminals. That means you can remove the terminal block without having to disconnect all the wires of the module. And the unique glide contact system guarantees stable communication between modules in the node.

- Wide application range from 20 up to 500 I/Os
- Space saving slim module size, width of 12mm
- Handles voltages from 12V DC to 240V AC
- LED display status in nodes and I/O modules for easy troubleshooting
- Supports communication via Modbus TCP
- IP20 enclosures



# Connect

Cutting edge connectivity  
with razor-sharp options



“ **Slice the system to fit  
your needs and not the  
other way round**

## Full system connectivity in your hands

Experience connectivity with just about anything you choose. The Programmable I/O connects easily to everything from digital and analog input and output to special modules like high-speed I/Os, temperature and communication I/Os.

## Widespread protocol for a wide range of applications

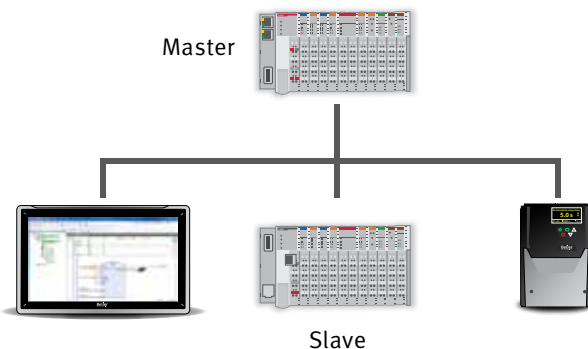
In addition, the Programmable I/O lets you communicate with your overlying systems via Modbus TCP, the most widespread industrial communication protocol on the market. Our system has an Ethernet interface as a programming port and all the relevant approvals so the Programmable I/O is ideal for use in a wide range of applications.

*The Programmable I/O can function as both Modbus TCP/IP Client (master) and Server (slave) providing automation users more connectivity and choice in system architecture.*

## Quick-and-easy connectivity at your fingertips

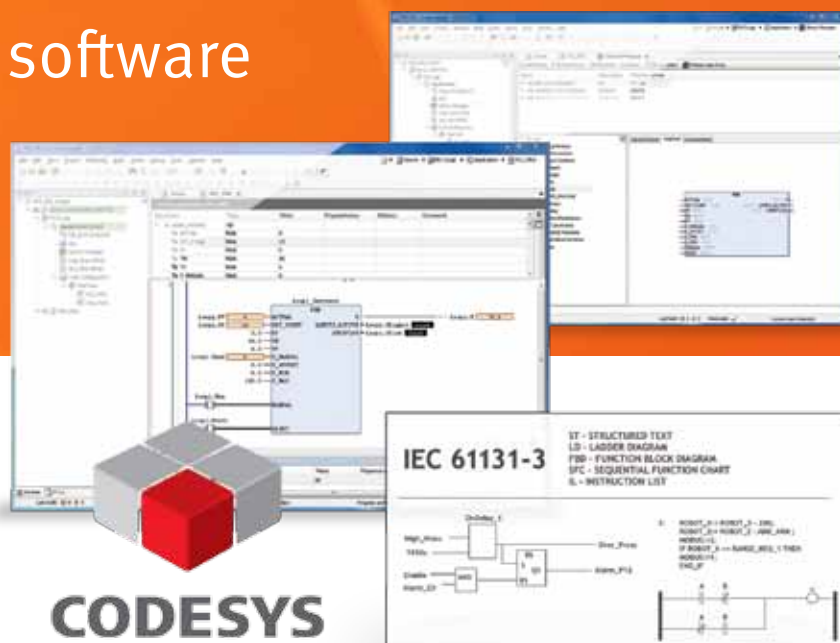
There's no need for special screwdrivers and time-consuming set-ups. The I/O modules are spring-loaded, so all that's needed is light, fingertip pressure and you're connected.

- Easy to mount, removable terminal blocks spring-loaded to facilitate installation and maintenance
- 16-channel modules equipped with a 20-pole contact, connected to pre-adapted cables in various lengths
- No tools necessary for mounting on DIN rail
- Quick and easy installation/removal with no need to disconnect power supply



# Control

Enhanced applications with  
strong CODESYS software



**Add powerful CODESYS  
control – slice by slice**

## Same speed, better memory, unbeatable functionality

With our strong CODESYS software platform, you'll get program execution speed every bit as fast as the classic compact PLC. And with 512K program memory, 512K data memory and 32K non-volatile memory, the solution has even better memory. Best of all, CODESYS offers access to vastly superior amounts of instructions than a conventional compact PLC. Our Programmable I/O lets you create more complex control and enjoy lots more functionality for your money.

## A powerful slice of control

Fast program execution combined with generous program memory and large instruction set means you can create complex projects that would otherwise require a modular PLC system. That makes the Programmable I/O your prime choice, perfect for OEMs, machine builders and other industrial applications.

CODESYS is the leading hardware-independent development tool on the market, offering:

- Excellent debugging and online/offline programming
- Built-in PLC simulator
- Easy-to-use fieldbus configuration and integration
- Fully integrated development system with everything you need
- Fulfills diverse requirements of modern industrial automation

## About Beijer Electronics

Beijer Electronics is a fast growing technology company with extensive experience of industrial automation and data communication. The company develops and markets competitive products and solutions that focus on the user. Since its start-up in 1981, Beijer Electronics has evolved into a multinational group present in 22 countries and sales of 1,367 MSEK 2012. The company is listed on the NASDAQ OMX Nordic Stockholm Small Cap list under the ticker BELE.

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[www.beijer.lt](http://www.beijer.lt)

Vilnius



#### Head office

Beijer Electronics AB  
Box 426, Stora Varvsgatan 13a  
SE-201 24 Malmö, Sweden  
[www.beijer.se](http://www.beijer.se) | +46 40 35 86 00

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