

# SIEMENS

*Ingenuity for life*



RobIn  
eBox



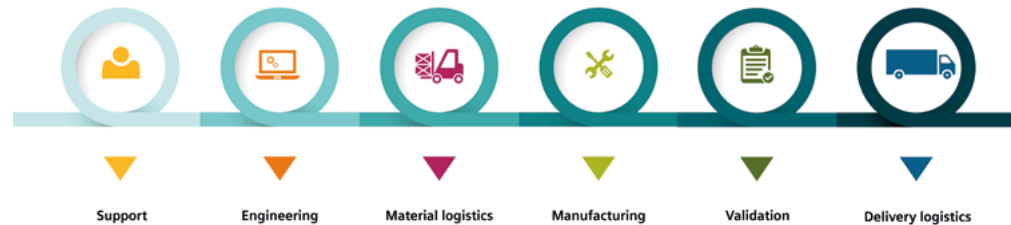
## RobIn eBox from WKC. Professional solutions.

Robot Interface eBox (RobIn eBox)  
for automation with robotic applications

[siemens.com/RobIn-eBox](https://www.siemens.com/RobIn-eBox)

# Robot Interface eBox

Tailor-made solutions for your robotics projects



Expertise and know-how with many years of experience.

## WKC as a competent partner

The Siemens plant for combination technology in Chemnitz (WKC) produces electrical cabinets and customer-specific electronic components for the global market. Siemens-WKC is particularly specialized in solutions for machine and plant construction as well as project business in logistics and automotive sector.

Perfect integration of all components.

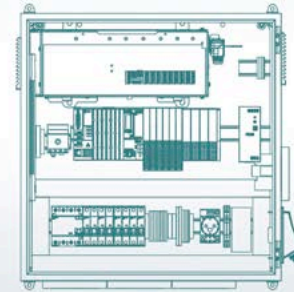
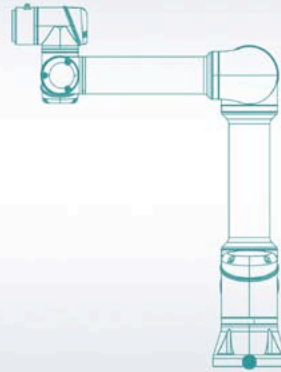
## Robot Interface eBox from Siemens-WKC

Robotic applications have become indispensable in manufacturing and assembly plants. They are used wherever repetitive work steps take place. Plants are usually controlled by automation systems. This requires additional planning effort and generates costs for integration of robots.

Siemens Robot Interface eBox, or “RobIn eBox”, is a control cabinet that contains all of the main components required for integrating a PLC and a robot arm using a PROFINET connection. With different variants, the planning effort is simplified and thus faster commissioning of the robot cell is made possible. For this reason, we ourselves use the concept hundreds of times at our locations.

## Universal Robots Plus (UR+) certified

Our RobIn eBox was developed from the experience of our factories. It is also UR+ certified. The standardized design of the eBox enables simple, customer-side installation of a UR OEM controller.



## ECO

Our RobIn eBox as ECO variant offers all the features of an economic solution with a Siemens PLC.

In addition, it includes 16 digital inputs and outputs to control your robotic applications. A gigabyte switch is available to set up an individual system network.



## Smart + Safety

The variant Smart + Safety with the CPU 1512SP F-1, offers the possibility of designing your entire system to be fail-safe.

In addition, this variant has further 8 fail-safe inputs and outputs. Preconfigured interfaces enable a safety-oriented integration of the robot controller in your application.

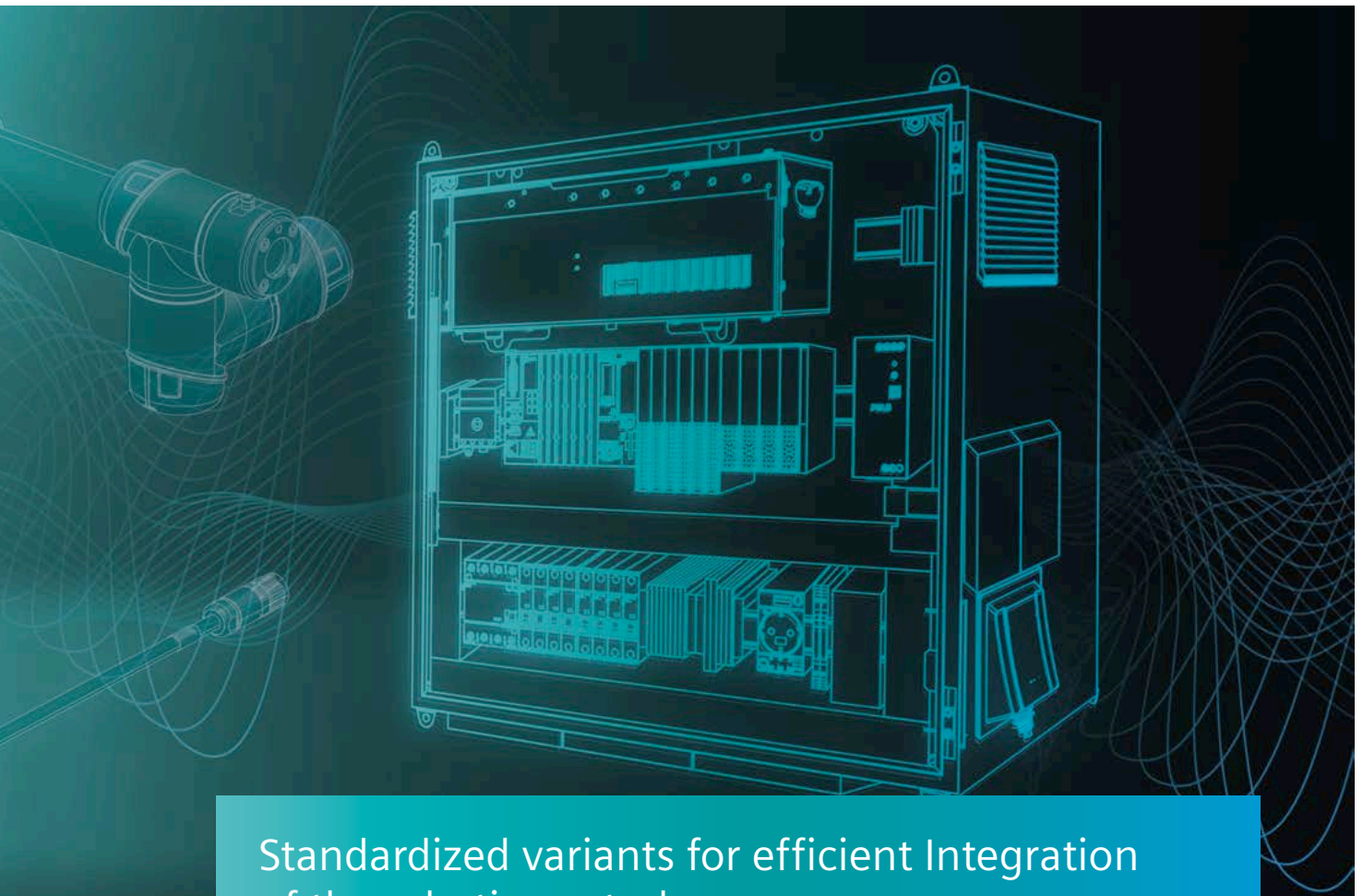


## Advanced + Safety

Depending on the application, additional special functions must be integrated into the robotics applications. The CPU 1515SP PC2 F enables all of this.

For additional HMI functionality, the CPU 1515SP PC2 F + HMI is offered with pre-installed WinCC Runtime Advanced. This enables control and visualization to be integrated on one device.





Standardized variants for efficient Integration  
of the robotic control.

# Advanced + Safety Variant

Example: RobIn eBox with mounted OEM robot controller from WKC.

Standardized solution for a wide range of applications

## Technical Data\*:

Parameters	Data / Values
Supply system	TN-S / 3 AC 400 V / 50 Hz
Control voltage	DC 24 V
Color	Housing RAL 7035
Dimensions (H x W x D)	600 x 600 x 250 mm
IP protection class	IP 54 for industrial environment
Ambient temperature (max.)	40 °C
Weight	app. 30 kg till 40 kg (depends on version)

Modular system for additional customer requirements

## Component examples\*:

- Siemens connection box, including connection cable
- Power switch
- ET 200SP PLC Interface 16xDI, 16DO
- Gigabit Ethernet switch
- Connector of the robot interface
- Cable entry
- Wall mounting brackets

## Additional standard options\*:

- ET 200SP in F version
- T CPU variant
- Safety Input/Output Relay (E-Stop, Safety Stop)

## Notice:

- For more information regarding variants and details, please refer to the **SIOS-portal**.



Support and technical consulting



Many years of experience and know-how



Worldwide availability



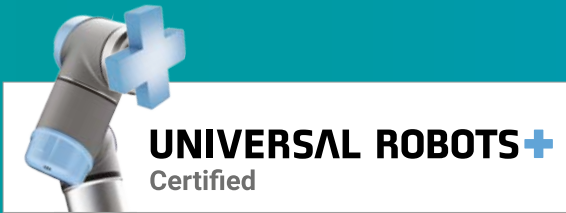
Tested & certified for UR robots



Optimized plug and play design



100% Siemens quality



**OEM-Controller:**

- Integrated by customer  
(Mounting set available)

**PLC-Station:**

- Open controller
- I/O-Module, standard
- I/O-Module, fail safe
- Terminals

**Disconnect Switch:**

- Safe electrical separation

**Ethernet Switch:**

- 8 Port Gigabit



**Split cable entry system:**

- For multiple pre-terminated cables

**Socket:**

- Connection for UR-Cabinet

\*The figure shows RobIn eBox Advanced Safety with mounted UR-OEM-Controller.  
UR-OEM-Controller is not included.

**Published by  
Siemens AG**

Digital Industries  
Motion Control  
P.O. Box 31 80  
91050 Erlangen, Germany

For the U.S. published by  
Siemens Industry Inc.  
100 Technology Drive  
Alpharetta, GA 30005  
United States

Article-No. DIMC-B10072-00-7600  
Dispo 06311  
Printed in Germany  
WÜ/1000173743 SB 05210.2  
© Siemens AG 2021

For more information, please contact our  
sales, support and promotion team:  
**[info.wkc.industry@siemens.com](mailto:info.wkc.industry@siemens.com)**

Subject to changes and errors.

The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be trademarks or product names of Siemens AG or other companies whose use by third parties for their own purposes could violate the rights of the owners.

The Robot Interface eBox (RobIn eBox) is a component designed to be used and integrated into a machine system. The machine manufacturer/end user is solely responsible for the safety of the machine system, conformity with EU directives, and suitability in the end user's application.