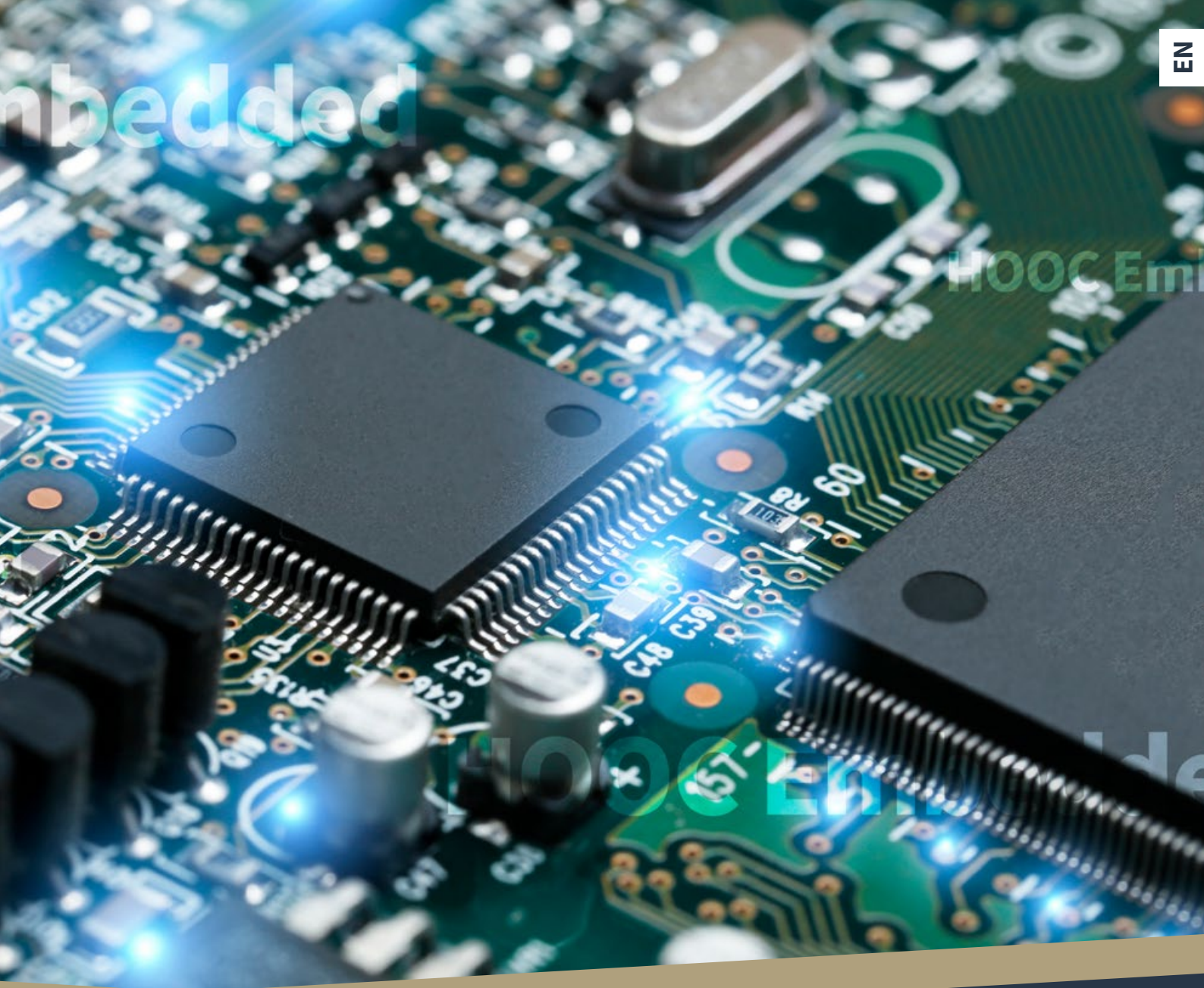


Embedded


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HOOC Em



**HOOC Embedded**





Are you looking for that certain something that will make your product even more unique? Then we might have ...

## THE PERFECT SOLUTION FOR YOU.

**HOOC Embedded: Our software, implemented into your hardware. You already know our gateways and how they work when it comes to VPN, data transfer, remote control, monitoring and reporting? Perfect! Then you might be pleased to hear that our solutions are not only available as physical gateways but also as embeddable version.**

Costly OEM solutions with minimum order quantities? That was once. Because we offer you individual licenses, where you pay only for the services and functionalities that you really need. You have the hardware and the idea; we have the software you need. And all this at an extremely fair pricing.



### DID YOU KNOW?

... that thanks to the HOOC API interface even your most specific requirements can be fulfilled?

... that we offer you the possibility to integrate our VPN service directly in to your own apps?

... that our service has been tested and certified by recognized Swiss cyber security experts?



### WHAT'S IN FOR YOU

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HOOC Embedded offers you ...

- a practical software solution for the embedding into existing systems
- an uncomplicated implementation without additional hardware requirements
- the possibility to integrate the solution also into systems with limited computing power and storage capacity
- an unlimited number of fields of application



### A THING OF THE PAST

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No more ...

- acquisition of additional hardware or the necessity of additional interfaces
- minimum purchase order quantities (as with OEM solutions)
- dependencies on various third-party products



### A MUST HAVE

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HOOC Embedded is a real asset for ...

- Manufacturers of industrial control systems and HMI's
- Hardware developers and system integrators
- Manufacturers of smart home solutions
- IT service providers

Let's get down to the nitty-gritty of the ...

# TECHNOLOGY BEHIND HOOC EMBEDDED



## EMBEDDED GATEWAY

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- Integration of the HOOC Cloud solution into existing products
- Solution with small footprint
- VPN remote access for applications in the area of remote maintenance, remote control, system and site networking
- API interfaces for secure operation and customer-specific update mechanisms
- Supported platforms: Darwin, Linux (kernel 3.1 and higher), others on request
- Supported processors: ARM V6, ARM V8, AMD 64, MIPS (more on request)
- Integration in e.g. Raspberry Pi, Wago PFC200, OpenWrt platforms
- Deployment as binary for individual integration or as Docker container
- System requirements can be reduced individually (min. 3MB Flash/16MB RAM) depending on the functionality needs



## MANAGEMENT AND SCALABILITY

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- Connectivity as a service: Individually configurable user and access management
- Automatic software updates
- Downloads for Docker images or binaries available
- Scalability thanks to microservice architecture



## SECURITY CONTROL

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- Strict separation of networks in the HOOC Cloud
- Agile development, testing, rolling out and monitoring according to DevOps methods
- Special identification and authentication mechanisms
- Secure state-of-the-art encryption and signing algorithm



## SAFETY CONTROL

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- Performance and failure monitoring
- Access logging
- Security Features



## ADD-ONS

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- Interfaces to fieldbus protocols like Modbus TCP/IP and KNX IP
- REST API for communication with higher-level applications
- Customer specific API interfaces

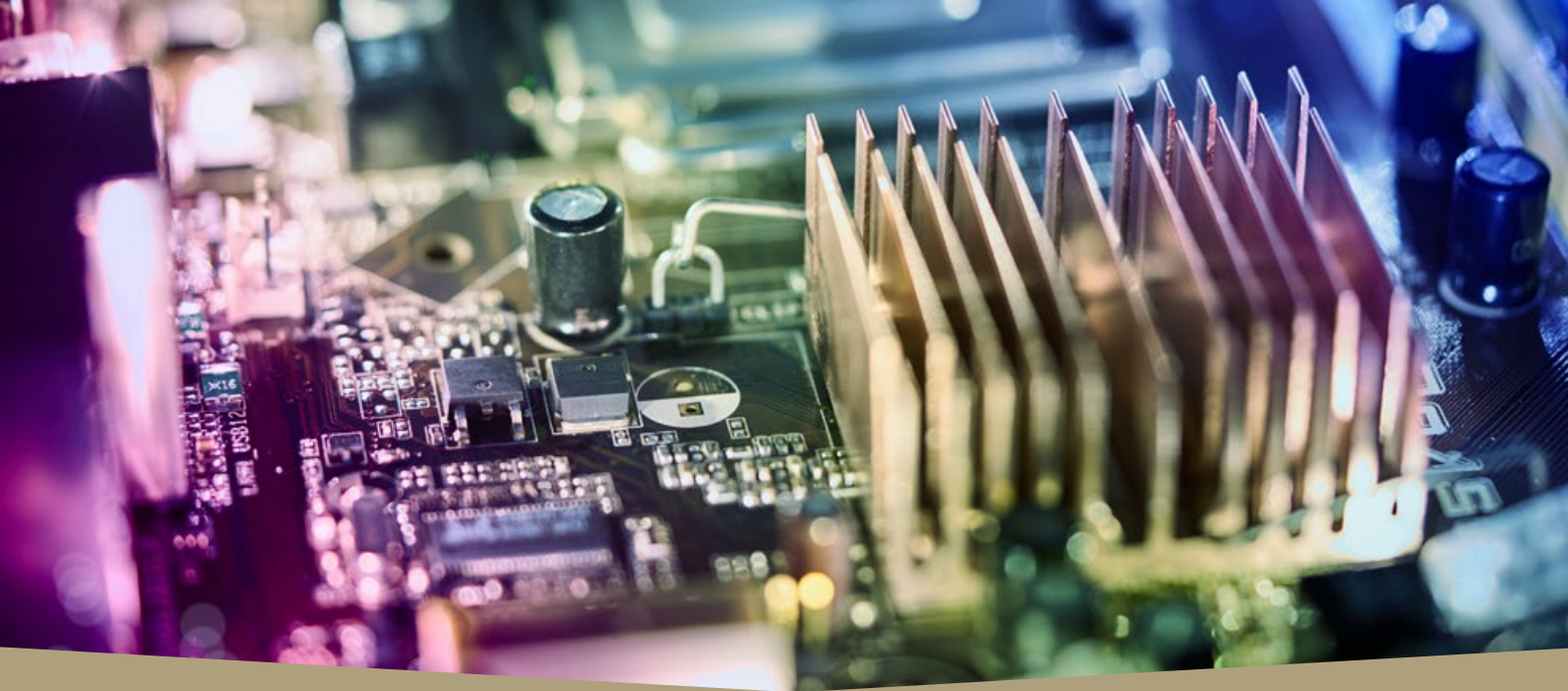


## COMPATIBILITY WITH OTHER SOLUTIONS

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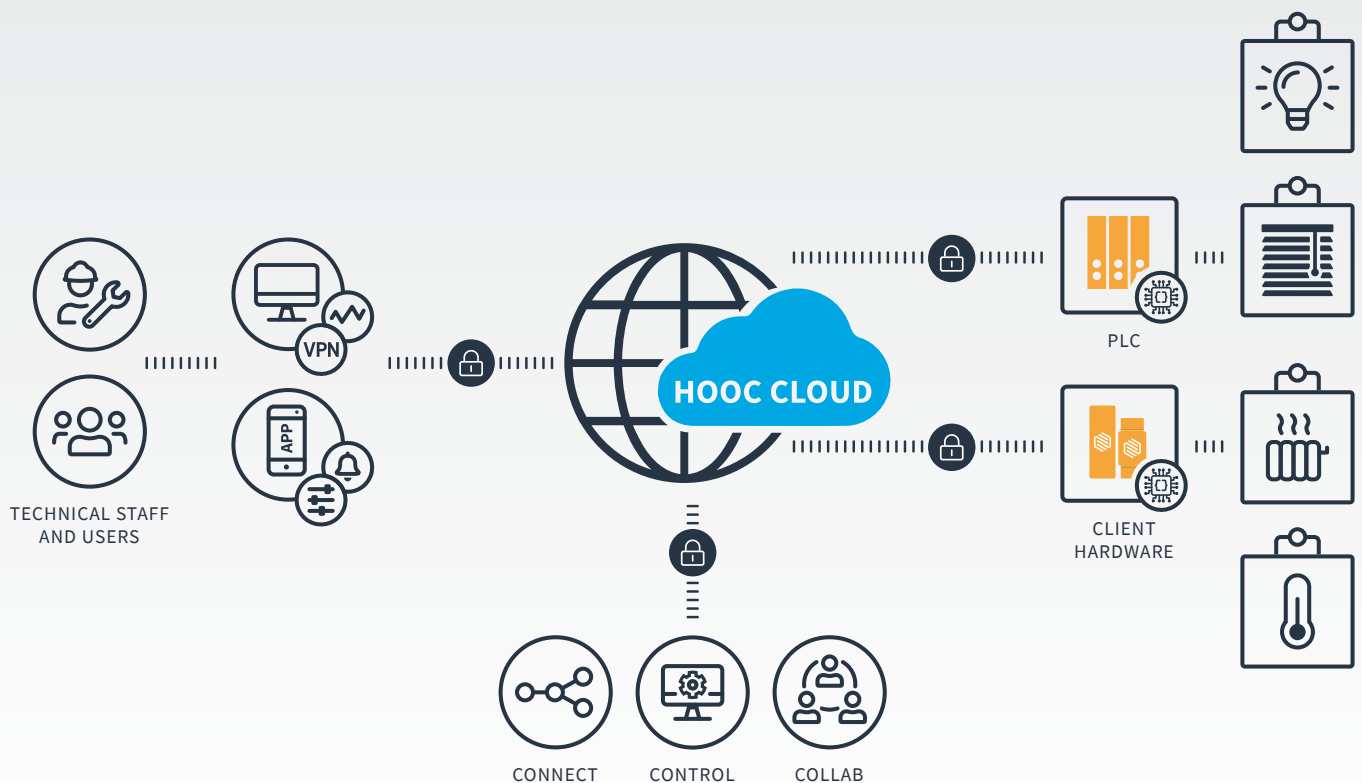
- HOOC Alert for the automatic warning in case of system malfunctions
- HOOC Collab for the secure professional communication between employees and service providers
- HOOC Control for the remote maintenance of systems and installations
- HOOC CrossLink for modern site and system networking





# THE HOOC EMBEDDED MECHANISM

**Integrated Software** (from left to right): The technical manager or operator uses his HOOC ClientApp or the HOOC ManagementPortal in order to log into the system. Via the HOOC Cloud and the company-specific hardware with the integrated HOOC embedded gateway, he then gets access (Connect) to his different IT networks, HVAC systems or home automation solutions, in order to control, adjust or maintain them from distance (Control). Thanks to a special alerting solution, he will be informed in case of system malfunctions and thus, can easily coordinate repair work (Collab).



## MORE INFOS

**For end customers:** Contact one of our distributors  
<https://www.hooc.ch/en-us/about-us/partners>

**For distributors:** Register under  
<https://disti-en.promo.hooc.ch>

Please find our latest videos, security features and product developments on our social media channels    

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