



UNIFIED-E

**Create HMI Apps
easily**

*For Smartphones, Tablets
and PCs*

Download now and evaluate!

Free developer license!



MAKE YOURSELF FIT FOR THE FUTURE

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HMI Apps with Direct Communication

1

Unified-E App Designer

Create Operator App



Machine, Plant

OPC UA, Modbus, ...

2

Unified-E App

Register Operator App



Operator Device

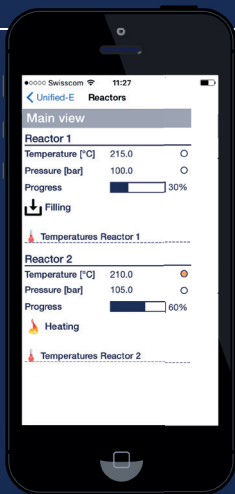
iOS, Android, Windows

LAN / VPN

How it works

For direct communication, the operator device like a smartphone is in the same network as the PLC controller. All required data is transferred directly from the controller to the operator device. An additional software or a gateway PC is not required for this.

The operator app is created with the "Unified-E App Designer" software and then installed on the operator device using the "Unified-E" client app.



Use cases

- Stationary HMI
- Remote control with the smartphone
- Mobile maintenance
- Mobile calibration and set up of machines

Supported adapters

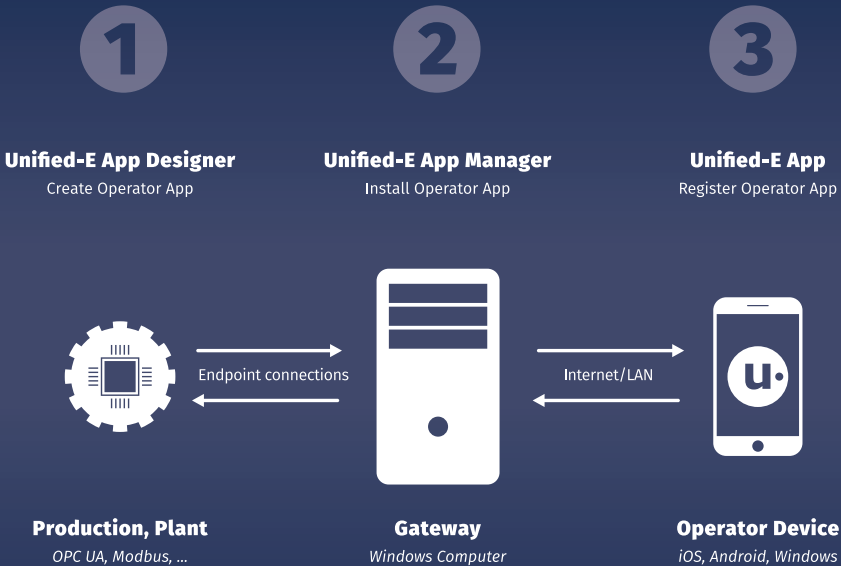
- OPC UA
- Modbus
- Siemens S7
- Allen Bradley
- More adapters follow

For Windows HMI devices and for gateway communication, additional adapters are available, e. g. SQL, Web, Beckhoff. More details can be found on our website under "Downloads".

Licensing

A direct license is required per machine. This allows the machine to be operated with any HMI devices such as smartphones or tablets. Current prices can be found on the website www.unified-e.com.

HMI Apps with Gateway Communication



How it works

Communication between the operator device and the plant or production runs via a Windows computer. With the Unified-E App Manager software, the computer acts as a gateway and is responsible for encryption, user management and forwards the app requests to their respective endpoints.

Advantages compared to direct communication

- Additional endpoint adapters are available for integration of production data
- Firewall-friendly communication via the Internet, no port forwarding or fixed IP address necessary
- Sending push notifications to smartphones
- Recording of datapoints for diagrams

Use cases

- Production and plant overviews
- Dashboards
- Stationary HMIs with MES / ERP data integration
- PC-based presentation screens for quick overview in production
- Monitoring plants conveniently via tablet or smartphone, in the local network or via the Internet

Licensing

Licensing takes place per operator app registration on the gateway PC. When using push notifications, annual service fees are charged. Current prices can be found on the website www.unified-e.com



Features

Multi-platform support

The HMI runs on Android, iOS and Windows.

Multi-endpoint support

An HMI can communicate simultaneously with multiple controllers or databases.

Directly access the machine via OPC UA with the smartphone app

In just a few minutes, you create your operator app in the Unified-E App Designer and can use it directly from the smartphone or tablet to access the controller, for example via OPC UA.

Production overviews & dashboards

Various diagram types are available to visualize data such as curve recordings in real-time.

Display-specific layouts

With a single HMI app project, you can configure the view for different display sizes like for smartphones or tablets.

Easy integration of MES or production data

In addition to the classic PLC adapters, the following adapters are available to integrate data from a wide variety of applications into the HMI: SQL adapter, Windows application adapter, web adapter.

Receive push notifications

With the help of the App Manager, push notifications can easily be sent to the smartphone. Simply configure the trigger condition and the message text in the App Designer.

Firewall-friendly communication via the Internet

The PRO license does not require port forwarding or a fixed IP address.

