SIEMENS
Ingenuity for life

WinCC OA IOT Suite

empowered by
SIMATIC WinCC Open Architecture

siemens.com/wincc-oa-iot-suite

WinCC OA IOT-Box-SW

WinCC OA IOT-Box-SW for SIMATIC Nanobox (IPC2XX) and Industrial Linux (both not included).
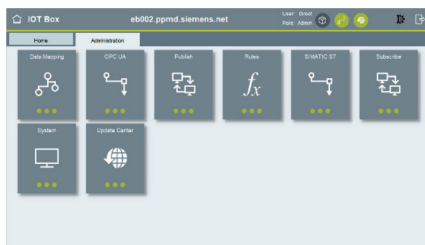
Included apps:
Dashboard, Mapping, OPC UA, Publish, Subscribe, S7, Update Center, Rules, System. Up to 1000 Tags, up to 2 user interfaces. Automatic updates of WinCC OA IOT-Box-SW and apps via IOT-OPA possible (requires separate IOT-OPA-SW license). Perpetual License.

1x WinCC OA IOT-Box-SW:
6AV6356-1AA31-7AA0

10 x WinCC OA IOT-Box-SW
6AV6356-1AA31-7AA1

20 x WinCC OA IOT-Box-SW
6AV6356-1AA31-7AA2
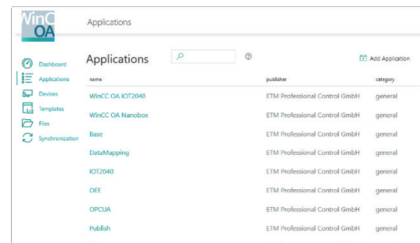

WinCC OA IOT Suite

WinCC OA IOT-OPA

Allows secure administration of devices running WinCC OA IOT-Box-SW. Includes update option for WinCC OA IOT-Box-SW and Industrial Linux (Equivalent to SUS). Can be installed as On-Premise or in cloud. Operating System is Linux. Subscription license.

WinCC OA IOT-OPA-SW for update and administration of up to 10 devices. Connection to IOT-Repository included.
6AV6356-1BA31-7BA0

WinCC OA IOT-OPA update extension for 10 further devices
6AV6356-1BA31-7BA1

WinCC OA IOT-Repository

Enables distribution of WinCC OA IOT-Box-SW-packages and App-packages to WinCC OA IOT-OPAs. Connections to additional IOT Repositories are free of charge. Device management is excluded. Includes connection to WinCC OA IOT-OPAs. Can be installed on premise or in cloud. Operating System is Linux. Prerequisites for the use are valid WinCC OA IOT-Box-SW licenses as well as a corresponding right to update devices (bound to the IOT-OPA license).

WinCC OA IOT-Repository

WinCC OA IOT Suite
empowered by SIMATIC WinCC OA

Scope of solution:

- Targets for **brownfield retrofit Cloud usage optional**
- Provides **infrastructural services** to explore **new ways of deployments**
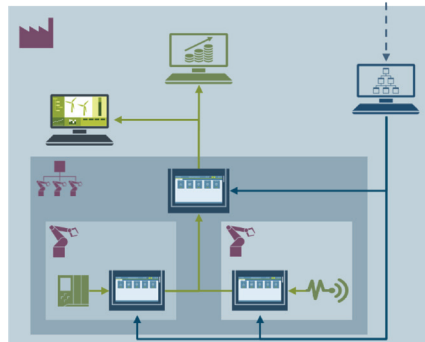
IOT-Repository:

- Cloud-based for simple distribution of 3rd party apps & updates

Major USPs of IOT-OPA:

- Automated maintenance of devices, SW, OS
- Enhancing machines after commissioning
- Enables additional/new business models

Major USPs of IOT Box SW:

- Commissioning **within 1h by electrician**
- **Easy collection** and **preprocessing** of data
- **Local visualization Forwarding information**

Technical features of IOT-OPA:

- **Central repository** for SW, Apps and OS incl. patches
- Device management including **automatic patch deployment**
- File exchange/storage for back-up/restore and templates

Technical features of IOT Box SW:

- **Apps** are WinCC OA applications
- Based on a WinCC OA IOT Framework Standard **WinCC OA** Based on **SIEMENS Industrial OS**

Based on Siemens industrial Hardware:

- In 1st step hosted on Siemens IPC2xx only
- Will be delivered as SW only as well

Update mechanism:

- **Devices and SW/Apps support-ing different states**
- Devices can be operated **stand alone as well**
- **System** established **officially inside SAG** (ATOS approved)