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

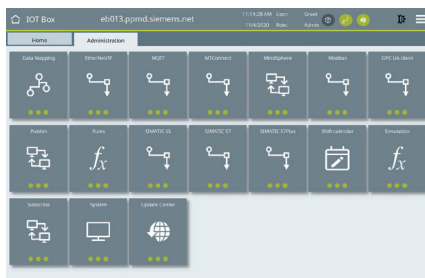WinCC OA IOT-Box-SW for SIMATIC Nanobox (IPC1XX, IPC2XX, IPC4XX) and Industrial OS 2.1 (both not included).

Included apps:
Dashboard, Data Mapping, Ethernet IP, System Log, MindSphere, Modbus, MQTT, MTConnect, OEE, OPC UA, Publish, Rules, S5, S7, S7 Plus, Shift calendar, Snapshot, Subscribe, System, Update Center. Up to 1000 Tags, up to 3 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
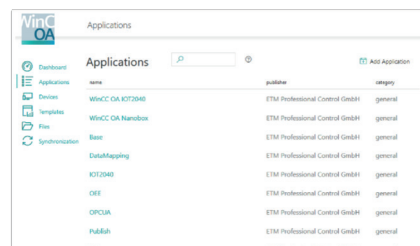**6AV6356-1AA31-7AA2**

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 OS 2.1 (Equivalent to SUS). Can be installed as On-Premise or in cloud. Operating System is Industrial OS 2.1. 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 Industrial OS 2.1. 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**
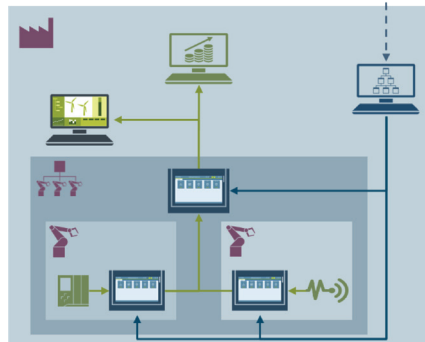
IOT-Repository:

- 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:

- SIMATIC Nanobox (IPC1XX, IPC2XX, IPC4XX) supported
- Will be delivered as SW only as well

Update mechanism:

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

For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered.

For more information about industrial security, visit http://www.siemens.com/industrialsecurity.