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Powered by WinCC Unified

SIMATIC HMI
Unified Comfort Panels

siemens.com/wincc-unified-system

SIMATIC WinCC Unified – Scalability from panel to control center

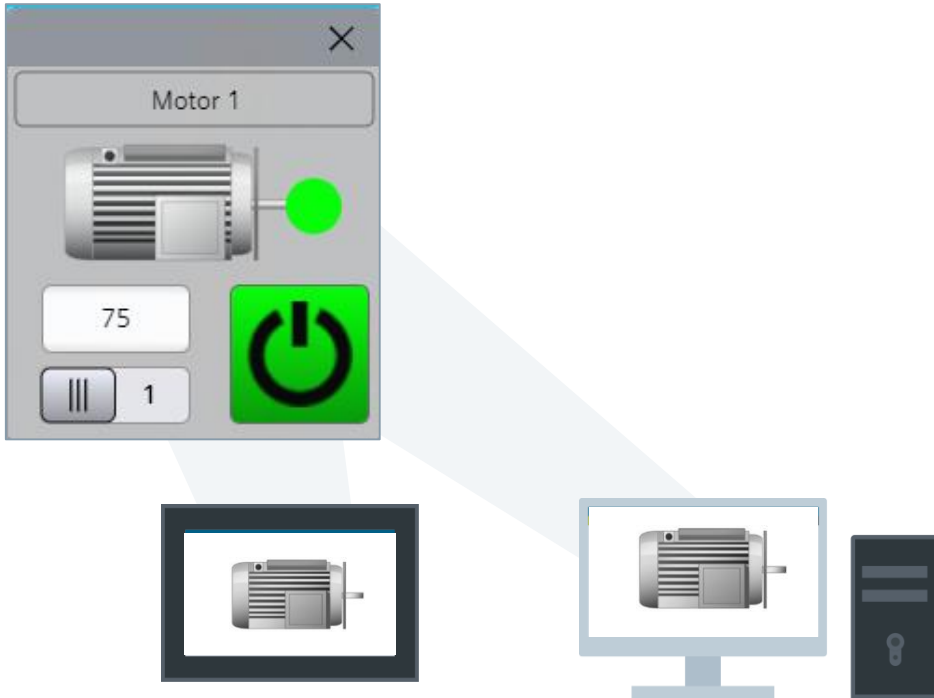## One modern software platform for all runtime environments

- One engineering in TIA Portal V16
- Reuse components on all WinCC Unified platforms
- Consistent Usability for UI Controls
- Device change between all devices based on WinCC Unified

WinCC Unified V16 – User Interface
Unified Faceplates as enclosed graphical objects

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Unified Comfort Panel ✓   **PC** ✓

Motor 1
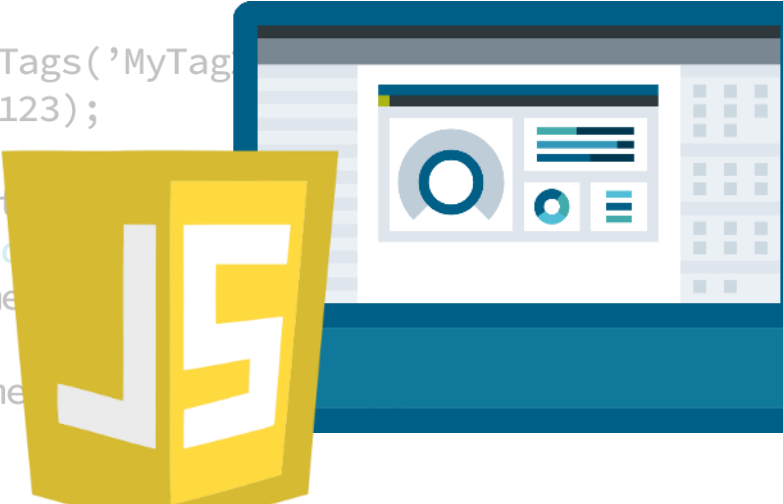75
1

Use the same faceplates
for panel and PC systems using a faceplate container control

Standardized operation elements for **flexible reuse** in all Unified devices and projects

Efficient operation window (popup)
for assets e.g., motor, pump

Create individual library templates (master copies) with dynamic process connection

SIMATIC WinCC Unified System

WinCC Unified – Scripting –
Advanced scripting with the power of JavaScript

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```
export function Funtion (parameter1, parameter2){
 let tag1 = Tags('MyTag1');
 tag1.Write(123);

 let tag2 = Tags('MyTag
 tag1.Write(123);

 if (tag1 >
  UI.RootWin
  HMIRutntime
 } else {
  HMIRuntime
  }
}
```

JavaScript is a widely spread and easy to learn scripting language

- One scripting language for all platforms (Panel and PC Systems)

- Use the entire object oriented JavaScript scope for handling data, objects, classes, inheritance

- Predefined Code Snippets for common tasks available in TIA Portal

- Integrated debugging functionality

SIMATIC HMI Unified Comfort Panels
Resolution and mounting compatibility

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Comfort Panel

4.3"	7.0"	9.0"	12.1"	15.4"	18.5"	21.5"
480 x 272	800 x 480	800 x 480	1,280 x 800	1,280 x 800	1,366 x 768	1,920 x 1,080

Unified Comfort Panel

	7.0"	9" → 10.1"	12.1"	15.6"	18.5"	21.5"
	800 x 480	1,280 x 800	1,280 x 800	1,366 x 768	1,920 x 1,080	1,920 x 1,080
	✓	**Enlarge Cut-Out**	✓	**Mounting frame**	**Mounting frame**	**Mounting frame**

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panels – Standard- and Neutral design version

Standard design
Silver frame – With Siemens branding

Neutral design
Black frame – No branding

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panels
Optimized usability with Multitouch gestures

Intuitive operation for industrial applications

- Usability is similar to smartphones
- Modern design with new robust hardened glass front
- Glove operation
- Anti-reflective and brilliant glass for better readability
- Detection of fault operations e.g., heel of hand
- High electromagnetic compatibility (EMC)

Gestures and Multitouch

- **Gesture detection control** to define actions
  e.g., swipe gesture for screen change
- **Zooming and panning** for more details
  in trend control, web control and document viewers
- **Scroll** in lists e.g., alarm control, text lists, documents

SIMATIC HMI Unified Comfort Panel
Increased system performance

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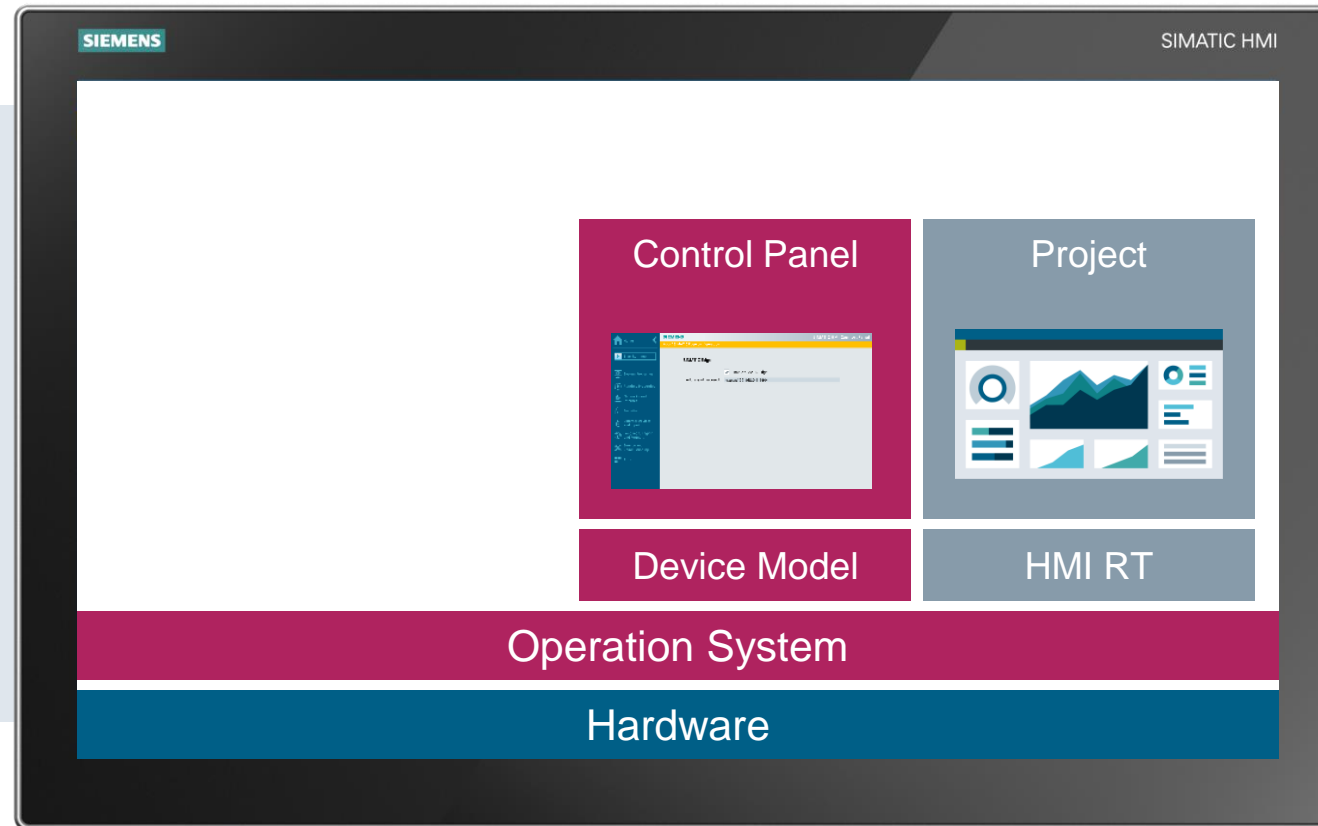|	Comfort Panel 7 – 12"/15 – 22"	Unified Comfort Panel 7 – 12"/15 – 22"
PLC-Connections	8	16
Tags	2,048 / 4,096	8,000
Alarms	4,000 / 6,000	9,000
Archives	50	50
Logging Tags	2,048	5,000
Scripts	100 / 200	600
Text-/Graphic list	500	750
Screens	500 / 750	1,200
- Objects per screen	400 / 600	800 / 1,200
- Tags per screen	400	600 / 800

Increased quantity structure from 7" to 22"

Doubled quantity structure compared to Comfort Panel

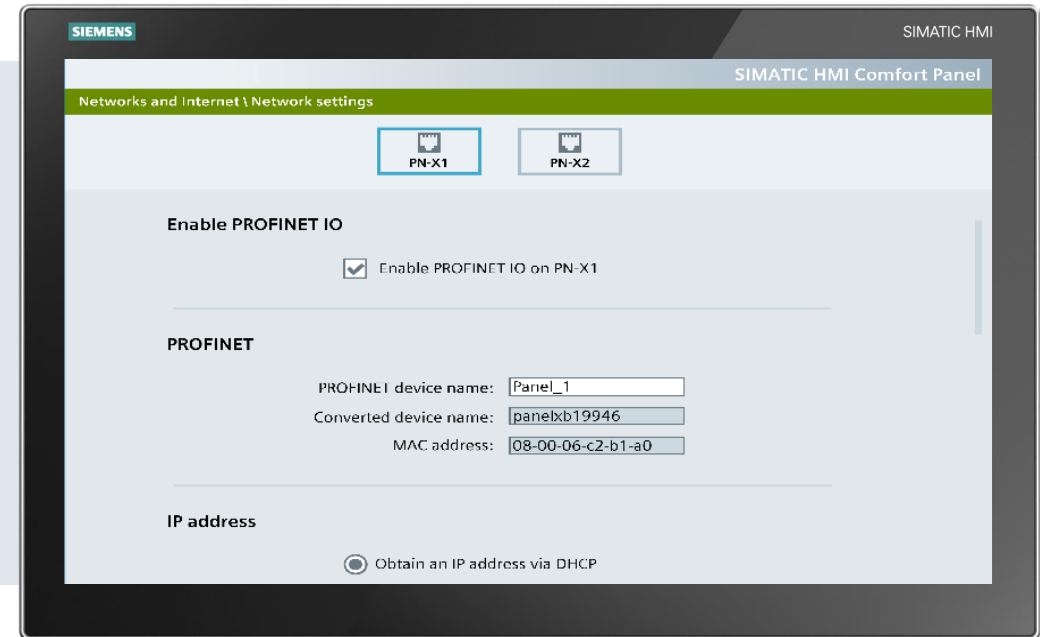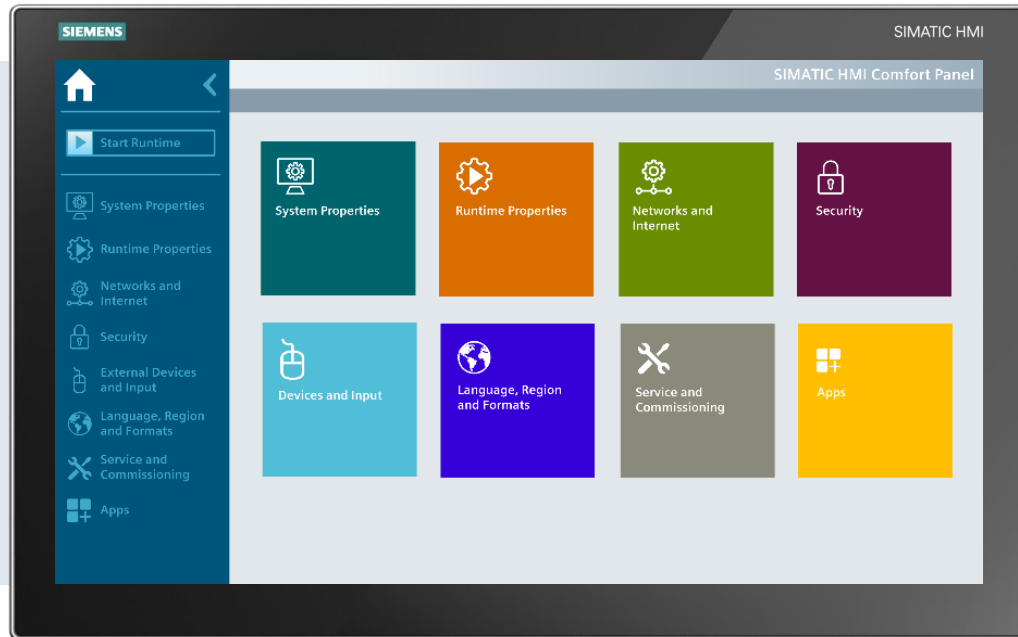Differentiation only for tags and objects per screen

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panel
System architecture
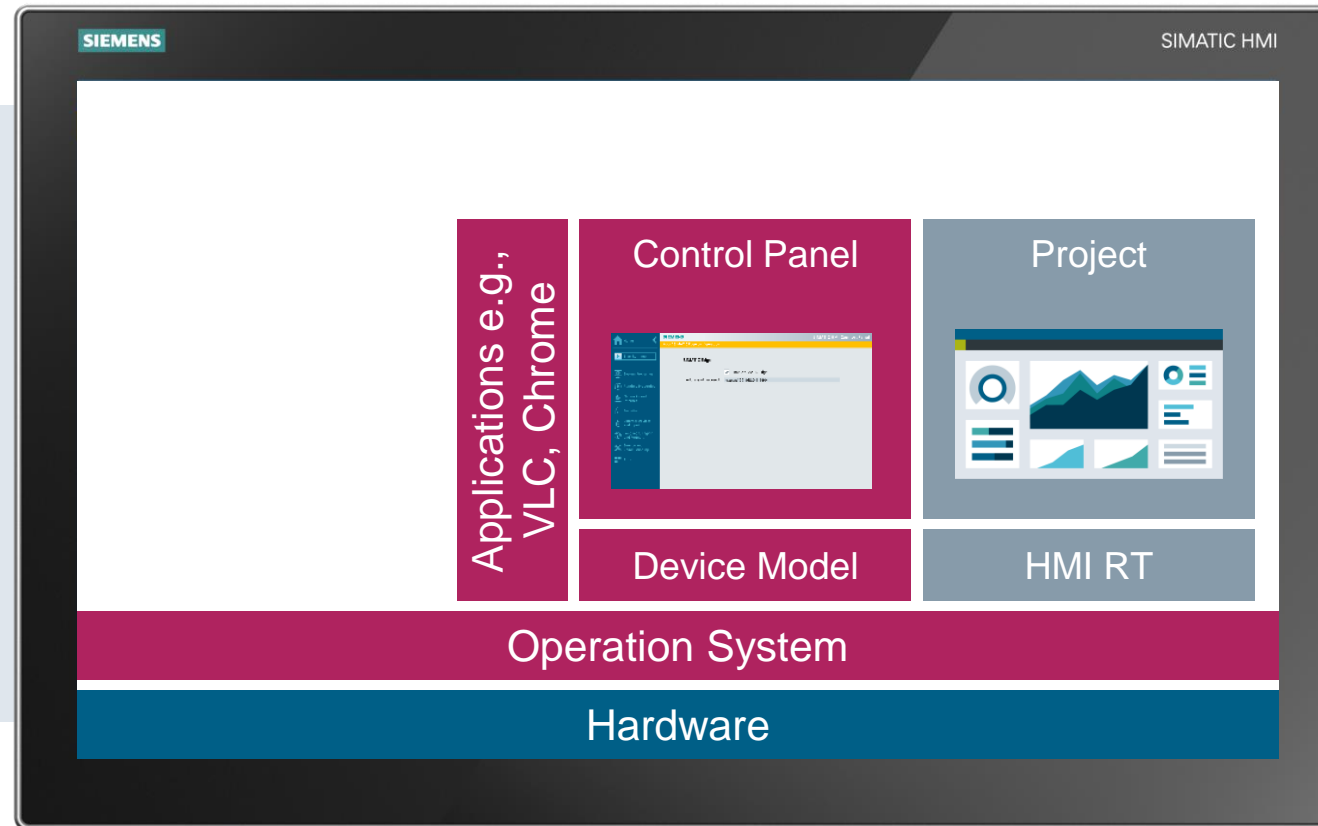
SIMATIC HMI Unified Comfort Panel
Completely new designed control panel

- **New look for the Control Panel - optimized for touch devices**
- **User has only access to control panel UI – not operating system UI**

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panel
System architecture

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panels –
Get work done!
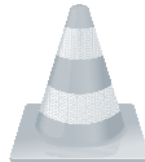
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Ready to use system applications

Work in documents, view instruction videos or get access to web-based systems with the preinstalled applications on every Unified Comfort Panel.
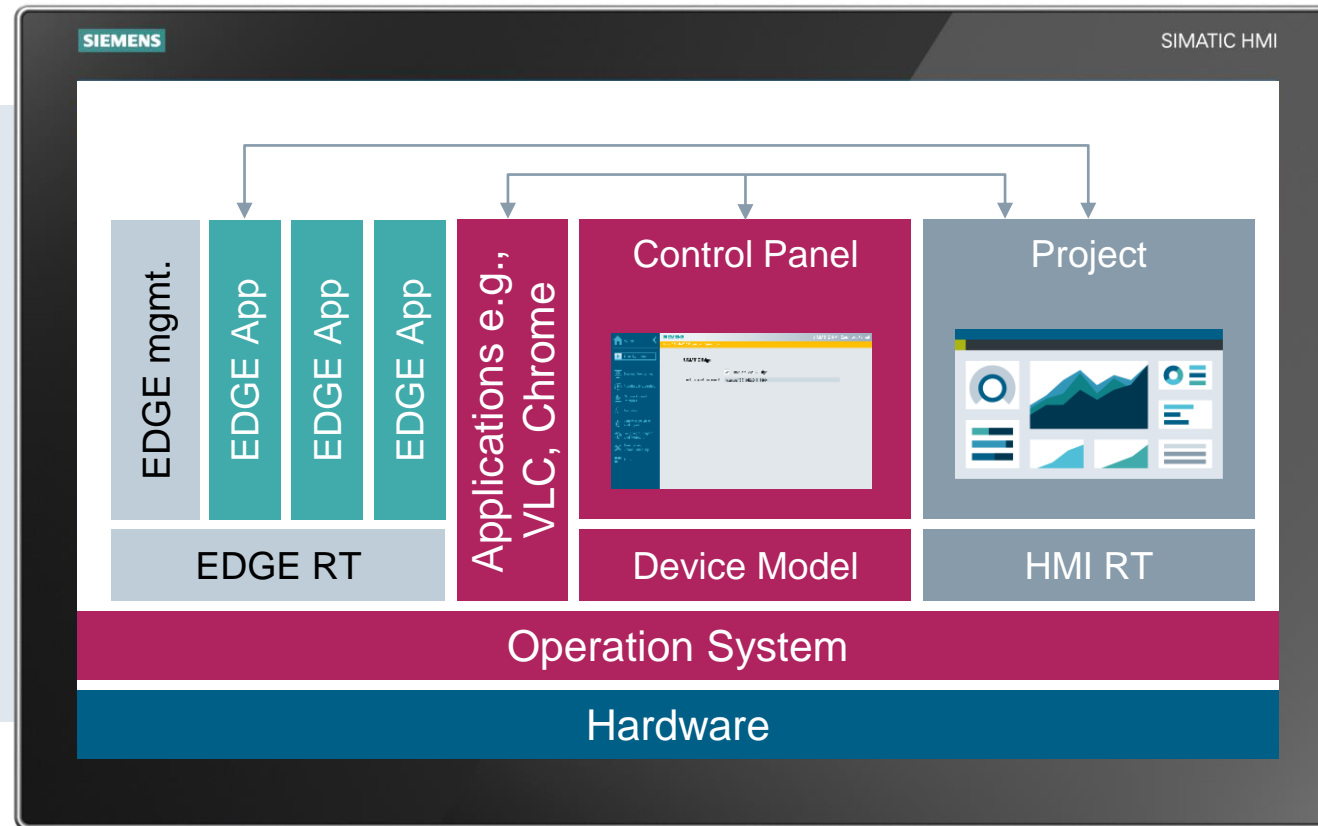
Preinstalled system applications

Browser	Google Chrome
Media Player	VLC Media Player
Office	Libre Office
PDF Viewer	Okular

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panel
System architecture

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panels – Need more? Add apps!

Expand the standard functionality with Edge Apps on all Unified Comfort Panels

Siemens or others can provide applications

Access to WinCC Unified Online Tags using the OpenPipe interface

- **Device Managed Edge**
  Apps can be managed directly on the device
- **Centrally Managed Edge**
  Apps can be managed centrally
  with the Industrial Edge Management System

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panel – Siemens Industrial Edge integration

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Step 2

Device Managed Edge
Locally on device

- Installation and Uninstallation of Edge Apps on the device
- Update of Edge Apps
- Start and Stop of Edge Apps
- Diagnostic information of all currently running edge apps
- Remote access via webserver or Control Panel of device

Centrally Managed Edge
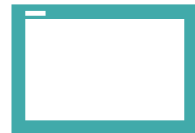On-Premises / On-Cloud / On-MindSphere

- On- and Offboarding of devices
- Diagnostic information
- Version management of Edge Apps
- Installation and Uninstallation of Edge Apps (Remote)
- Start and Stop of Edge Apps (Remote)
- Diagnosis of Edge Apps (Remote)
- Deploying of Edge Apps based on customized device-groups
- Deploying of Security Patches

SIMATIC HMI Unified Comfort Panels – Choose accessories upon demand

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Mounting accessories
Mounting frame for
Comfort Panel compatibility

Input tools
- Touch pen incl. holder
- USB mouse and keyboard
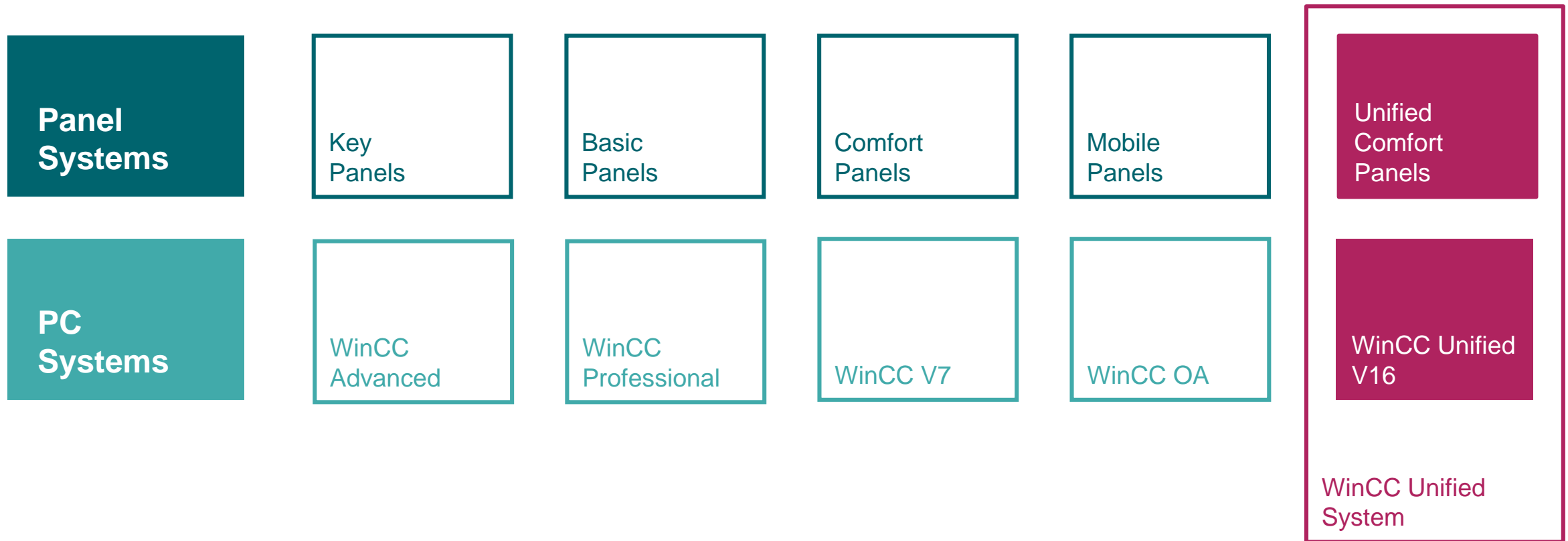
Protective films
All display sizes (7 – 22")

Storage Media
- SIMATIC SD-card
- SIMATIC HMI USB flash drive

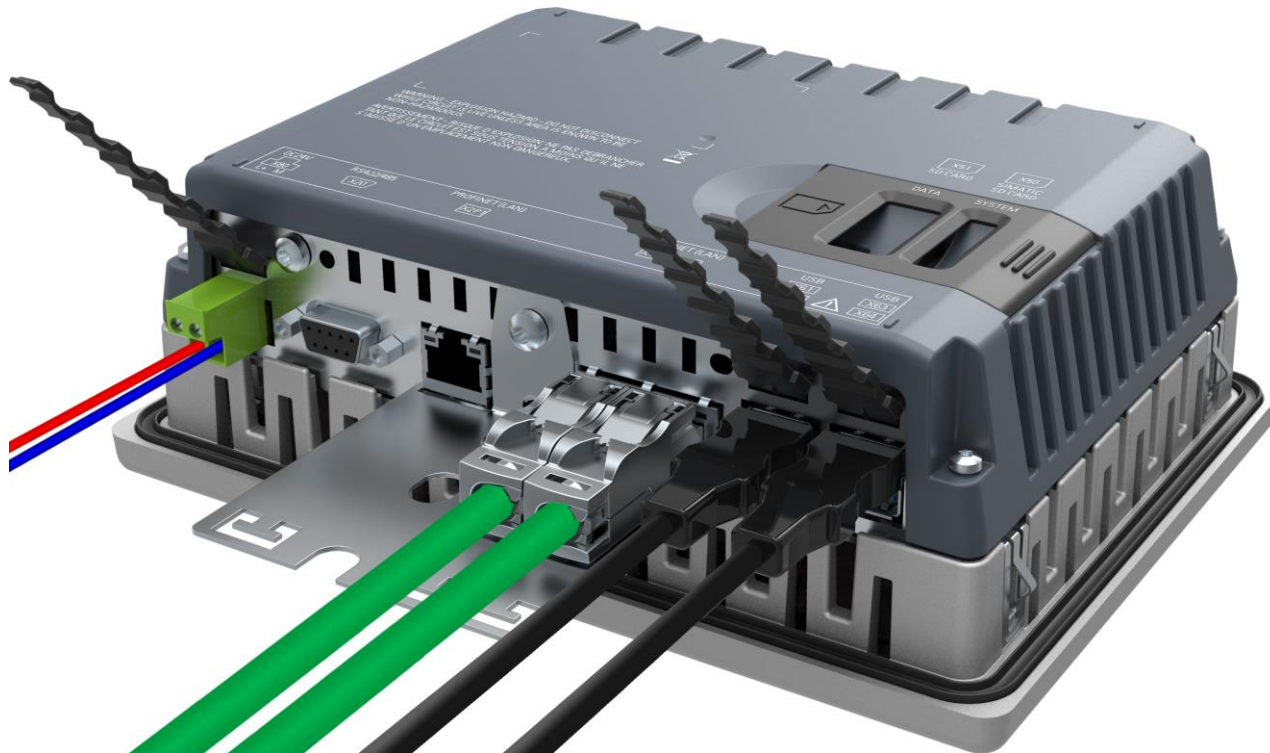https://mall.industry.siemens.com/mall/de/WW/Catalog/Products/10144445?tree=CatalogTree

SIMATIC WinCC Unified System

HMI & SCADA Portfolio –
Including WinCC Unified System

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Panel Systems	Key Panels	Basic Panels	Comfort Panels	Mobile Panels	Unified Comfort Panels
PC Systems	WinCC Advanced	WinCC Professional	WinCC V7	WinCC OA	WinCC Unified V16

WinCC Unified System

No replacement of current portfolio for the moment. WinCC Unified V16 running in parallel for now.
In the long term, the TIA Portal portfolio will consistently be based on WinCC Unified.

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panels
Connectivity

2 Port PROFINET Switch
1 IP address 100 Mbit

1 Port Ethernet
1 IP address 100 Mbit/1 Gbit

Serial
(422, 485) to support 3rd party PLCs[1]

4x USB 3.0
Support of USB Hardware e.g., printer, CP 5711 USB PROFIBUS CP[1]

2x SD-Card
Data- and system card for files, logs, automatic backup

Reset Button
Reset device to factory settings

1 Available after device release via CSP

SIMATIC WinCC Unified System

WinCC Unified Community – Join us now for free!

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Learn everything you need to get started with the WinCC Unified System

Discuss with other WinCC Unified users or prospects online

More than 90 minutes of videos in short on-demand clips

Join us now for free on
www.siemens.com/wincc-unified-system

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panels – Starter Kits

Available Q2/2020

Hardware Starter-Kit

- Device
- WinCC Unified V16 Comfort
- 1,5 m Profinet cable
- Memory Card (32 GB)
- Protective film

Software Starter-Kit

- Siemens Industrial Edge license
- SIMATIC Notifier Edge App (1x Client)
- WinCC Unified Collaboration

SIMATIC HMI Unified Comfort Panels – Ordering information

Device Name	Display Size	MLFB Standard Design	MLFB Neutral Design
MTP700 Unified Comfort	7.0"	6AV2128-3GB06-0AX0	6AV2128-3GB36-0AX0
MTP1000 Unified Comfort	10.1"	6AV2128-3KB06-0AX0	6AV2128-3KB36-0AX0
MTP1200 Unified Comfort	12.1"	6AV2128-3MB06-0AX0	6AV2128-3MB36-0AX0
MTP1500 Unified Comfort	15.6"	6AV2128-3QB06-0AX0	6AV2128-3QB36-0AX0
MTP1900 Unified Comfort	18.5"	6AV2128-3UB06-0AX0	6AV2128-3UB36-0AX0
MTP2200 Unified Comfort	21,5"	6AV2128-3XB06-0AX0	6AV2128-3XB36-0AX0

SIMATIC WinCC Unified System

SIMATIC HMI Unified Comfort Panels – Starter Kits

Device Name	MLFB
MTP700 Unified Comfort Starter Kit	6AV2128-3GB06-0AP0
MTP1000 Unified Comfort Starter Kit	6AV2128-3KB06-0AP0
MTP1200 Unified Comfort Starter Kit	6AV2128-3MB06-0AP0
MTP1500 Unified Comfort Starter Kit	6AV2128-3QB06-0AP0
MTP1900 Unified Comfort Starter Kit	6AV2128-3UB06-0AP0
MTP2200 Unified Comfort Starter Kit	6AV2128-3XB06-0AP0
Unified Comfort Panel Software Starter Kit	6AV2170-0BA90-0AA0

System failure?
Technical detail?
Feedback?

www.siemens.fi/asiakaspalvelu

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Contact Customer Care Center

Our experts at your service during weekdays 8:00 – 16:00

**customercare.fi
@siemens.com**

010 511 3100

Prepare to provide the following information:

- ✓ Question or fault description

- ✓ All Siemens product, system and/or software version related information regarding the support request

- ✓ Please attach files and pictures to support request sent with email

- ✓ How do you wish to be contacted? (we call you or send email)

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Upcoming industry webinars

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www.siemens.fi/webinaarit

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Also feel free to register straight away to any of the interesting webinars.

www.siemens.fi/webinaarit

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Thank you for your attention!

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