

# notion.S – Comfort Panel

SIMATIC-HMI TP1200 / TP1500 / TP1900 / TP2200





## TRsystems – innovative and successful

For over 30 years, TRsystems has been shaped by the ever-changing needs and challenges of our customers. We carry out a large part of the production steps ourselves in our flexible manufacturing facilities, develop the electronics in-house and design the housings and mountings ourselves.

**TRsystems** Trossingen & Pforzheim

TRsystems bundles various business activities related to industrial automation.

**TRsystems**, based in Trossingen, has been an established manufacturer of automation technologies since 1992. The notion.ABC brand of operating and computer systems are particularly suitable for the most demanding requirements under the most difficult environmental and ambient conditions.

Heavy-duty EtherCat IOs and co-processor slot computers with ProfiNet or Profibus master guarantee hard real-time for ultra-fast process automation. Smart and universal client and PLC technologies offer cost-effective, reliable and convenient control and HMI solutions. Customised electronics developments with series delivery round off the product range. As a service provider, **TRsystems** Automation takes press lines to new heights of performance.

**TRsystems** Pforzheim, with the brand name UNIDOR, stands

for specialised expertise in pressing and punching processes and has therefore been an established name for many years in tool protection and efficiency enhancement for manufacturers and users of punches.

### We take care of it: measurement and control systems for automation technology

When industrial processes run smoothly and reliably, measurement and control solutions from TR play their part. When the curtain rises in the theatre, TR systems monitor the complex stage technology. People and machines work together safely and the audience enjoys a perfect performance. Wind turbines generate energy with maximum efficiency thanks to optimally aligned rotor blades – controlled by TR solutions. In press lines for the automotive industry, TR sensors ensure safe forming processes for car body parts.

In logistics, TR measuring systems enable the smooth transport of goods, e.g. in conveyor systems and high-bay warehouses. TR control and measuring modules control and monitor pumps for drinking water supply, regulate the correct feed of pellets in wood-fired plants or help to detect faults in a punching machine in good time.

## State-of-the-art HMI Comfort Panels from TRsystems

– give your production facilities a new future

The discontinuation of classic **SIMATIC HMI Comfort Panels** poses major challenges for many operators of industrial facilities.

Plant downtime, costly electrical and mechanical conversions, or even the development of new HMI and control systems to replace those that have proven themselves over decades often seem unavoidable.

**But that doesn't have to be the case.**

The functionally compatible **notion.S Comfort Panels from TRsystems** offer the ideal solution.

They enable existing plants and machines to **continue to operate reliably – without costly software adaptations and without mechanical changes.**

Thanks to their **high functional and form factor compatibility**, **notion.S Comfort Panels** can be used quickly, safely and precisely as replacements for discontinued **SIMATIC HMI Comfort Panels.**

Familiar HMI functionalities, operating concepts and existing visualisations are retained in their entirety – **while at the same time offering state-of-the-art device technology and long-term future-proofing.**

### **notion.S - Comfort Panels**

give your systems more than just a replacement  
– we give them a future.

### **notion.S - Comfort Panels**

– because every machine deserves to keep running.

## Your advantages:

- **Functionally compatible**  
with SIMATIC HMI Comfort Panels
- **No reprogramming necessary**
- **Mechanically compatible** –  
genuine plug-and-play in the  
control cabinet
- **Minimal downtime**
- **Long-term availability**  
& state-of-the-art device technology

## Features:

- Touchscreen panels with INTEL® x86 CPU
- For control cabinet mounting
- Display: 12,1 / 15,x / 18,5 / 21,5
- Prepared for SIMATIC WinCC Advanced
- Prepared for SIMATIC WinCC Unified
- Long-term available technology  
(> 10 years)

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# Determine your HMI – and the future of your electrical, service and plant planning

**notion.S - Comfort Panels** are based on state-of-the-art CPU technology and suitable operating systems to effectively minimise cyber risks.

They are operated via robust, multi-finger-capable glass touch technology with excellent haptics. Factory-fitted, replaceable anti-reflective films ensure a pleasant, glare-free view at all times.

**notion.S - Comfort Panels** are **plug-and-play compatible** with **SIMATIC HMI Basic Panels** and **SIMATIC IPC477E**.

As soon as the device is switched on, you can flexibly choose between the classic **HMI SIMATIC WinCC Runtime Advanced V17** and the modern **HMI SIMATIC WinCC Unified V20 PC Runtime** during the boot process.

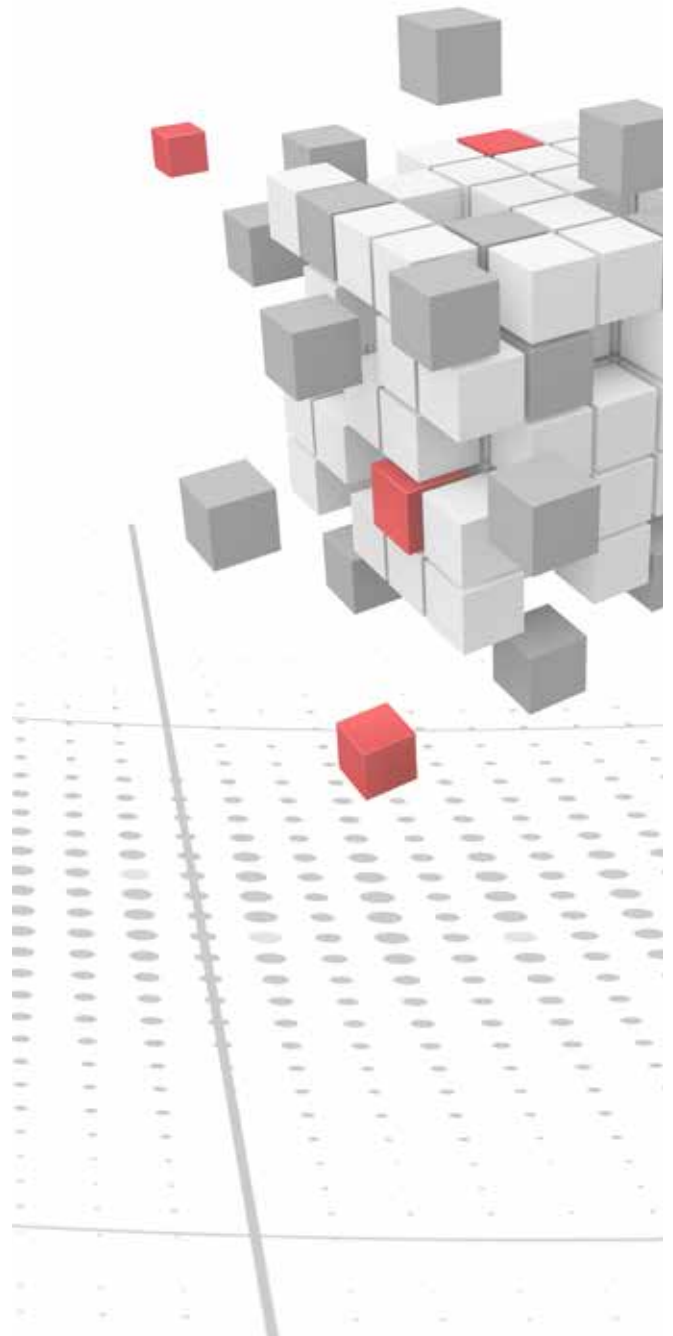
Thanks to full support for the **HMI SIMATIC WinCC Unified V20 PC Runtime**, there is no need for costly conversion of existing control cabinets or operating panels, as is often necessary when switching to **SIMATIC HMI Unified Comfort Panels**.

For maximum flexibility, the **notion.S Comfort Panels** have additional drives for storage media:

- A powerful **CFast card slot** for storage capacities of up to 480 GB
- An optional **SD card slot**, ideal for easy transferring **SIMATIC WinCC PowerTag licences** when replacing devices

Intelligent interface adapters enable the operation of all PLC generations – from **SIMATIC S5** (AS511) to **SIMATIC S7** (MPI) – in conjunction with the **HMI SIMATIC WinCC Runtime Advanced V17**.

**notion.S - Comfort Panels** combine proven **SIMATIC control** and **SIMATIC HMI panels** from over 30 years with future-proof technology – for maximum investment security and sustainable modernisation.



<b>SIMATIC-HMI Comfort Panel (screen resolution)</b>	<b>TRsystems Article number</b>	<b>SIEMENS Article number</b>
<b>TP1200</b> (WXGA)	778-11164	6AV2124-0MC01-0AX0
<b>TP1500</b> (WXGA)	778-11165	6AV2124-0QC02-0AX1 6AV2124-0QC02-0AX2
<b>TP1900</b> (HD)	778-11167	6AV2124-0UC02-0AX1
<b>TP2200</b> (fullHD)	778-11169	6AV2124-0XC02-0AX1

<b>Licence for SIMATIC WinCC Runtime Advanced PowerTags on a removable CFast storage medium</b>	<b>TRsystems Article number</b>	<b>SIEMENS Article number</b>
WinCC Runtime Advanced <b>128</b> V17	778-91857	6AV2104-0BA07-0AA0
WinCC Runtime Advanced <b>512</b> V17	778-91855	6AV2104-0DA07-0AA0
WinCC Runtime Advanced <b>2048</b> V17	778-91854	6AV2104-0FA07-0AA0
WinCC Runtime Advanced <b>4096</b> V17	778-91853	6AV2104-0HA07-0AA0

<b>Adapter for SIMATIC S7-S5 controllers without LAN interface</b>	<b>TRsystems Article number</b>
<b>MPI-Adapter IBH Link S7++</b>	778-91882
<b>AS511-Adapter IBH Link S5++</b>	778-91881

# notion.S - Comfort Panels #best-of

## SIMATIC HMI TP1200 / TP1500 / TP1900 / TP2200



Fig. notion.S\_Comfort\_Panel\_TP1900 (HD) #best-of, RAL9005

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### Top features

- \_ Touchscreen panels with INTEL® x86 CPU
- \_ for control cabinet installation
- \_ Display: 12.1 / 15.x / 18.5 / 21.5
- \_ Prepared for SIMATIC WinCC Runtime Advanced
- \_ Prepared for SIMATIC WinCC Unified RT
- \_ Long-term availability technology (> 10 years)

### Technical data

Model	notion.S - TP1200 (WXGA)	notion.S - TP1500 (WXGA)	notion.S - TP1900 (HD)	notion.S - TP2200 (fullHD)
Display	256 mm 12.1 inches (WXGA)	391 mm 15.4 inches (WXGA)	470 mm 18.5 inches (HD)	546 mm 21.5 inches (full HD)
CPU	*CPUa7 (x7433RE) or CPU6 (x6413E)			
RAM	*8 GB		*8 GB	
Standard drive	*120 GB		*120 GB	
Additional drive for storage media	*CFast card slot / SD card slot (optional)			
Cooling system	fanless			
Operating temperature	0 °C to +50 °C		0 °C to +50 °C	0 °C to +45 °C
Operating system	*Windows 11 IoT			
Functionalities	*Prepared for HMI Advanced *Prepared for HMI Unified			
Options / Extensions	*Anti-reflective protective film *Mounting brackets *Cable strain reliefs "Power Tag" licence UPS (uninterruptible power supply)			

\*Basic equipment notion.S – Comfort Panels #best-of



## Structural dimensions



Fig. TP1900 Rear view

Model	Dimensions [mm]			Installation cut-out [mm]			TRsystems Article number
	x1	y1	z1	x2	y2	z2	
notion.S - Comfort Panels							
TP1200 (WXGA)	330	241	74	310	221	2-6	778-11164
TP1500 (WXGA)	415	310	74	396	291	2-6	778-11165
TP1900 (HD)	483	337	74	465	319	2-6	778-11167
TP2200 (full HD)	560	380	74	542	362	2-6	778-11169

Table Structural dimensions



Fig. TP1900 Bottom view

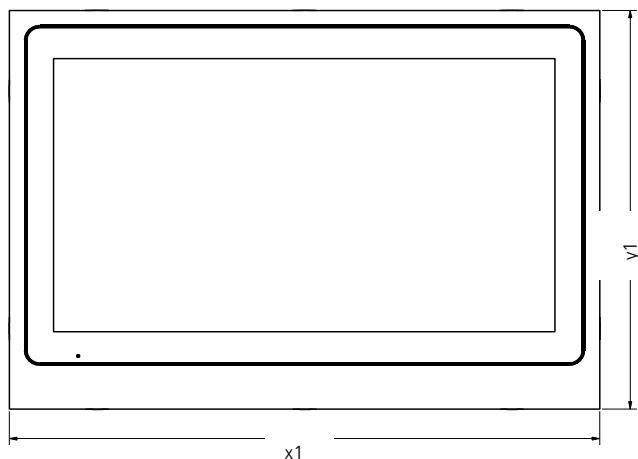
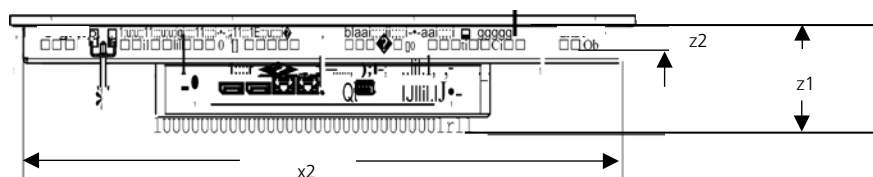


Fig. TP1900 Interfaces

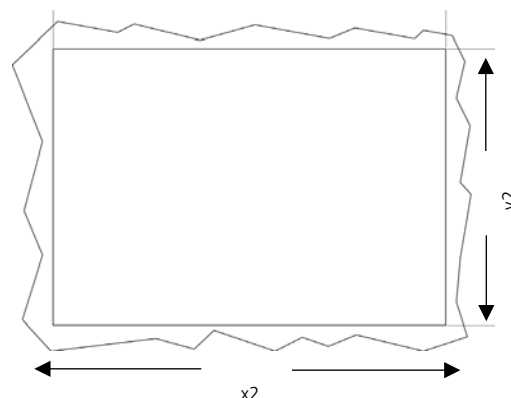
Optional accessories	TRsystems Article number
notion.S mounting clips (set = 20 pcs.)	778-90247
notion.S cable strain reliefs (set = 3 pcs.)	778-91858
notion_12.1 protective film anti-glare	778-90341
notion_15.x protective film anti-glare	778-90251
notion_18.5 protective film anti-glare	778-90248
notion_21.5 protective film anti-glare	778-90252

Table Optional accessories

Height & width



Front view

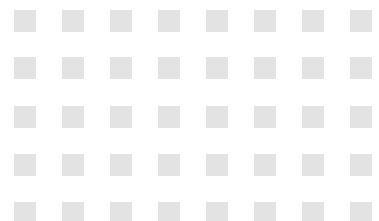


Installation cut-out

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Subject to technical and design changes.

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