

notion.D3

**Ultra high performance touchscreen systems
for VESA or CP60 mounting**



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From A to Z – industrial perfection with **notion.ABC**

With **notion.ABC**, you can implement your industrial HMI and automation applications to the highest standard – tailor-made, robust and future-proof.

At the **TRsystems** site in Trossingen, we develop, design and manufacture our systems entirely in-house. This enables us to guarantee the highest quality, flexibility and long-term availability – for applications where standard solutions reach their limits.

Our solutions particularly demonstrate their strength in extreme operating environments: contamination, temperature extremes, vibration, shock, EMC, ESD – and far beyond. Even in less demanding applications, our systems impress with reliability, efficiency and longevity.

With state-of-the-art CPU technology – from **ARM®** and **Intel® Atom®** to 14th-generation **Intel® Core™** processors – you are already equipped today for the demands of tomorrow.

Our platforms stand for technological security and investment protection – with a long-term availability of over 10 years. Thanks to the wide range of models, our systems can be seamlessly and individually integrated into your machine and plant concepts.

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Ultra high performance touchscreen systems for VESA or CP60 mounting

- _ Use in particularly harsh industrial environments
- _ Long-term technology availability (> 10 years)

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- _ Touchscreen Panels with scalable INTEL® x86 CPU
- _ Screen sizes: 15,6 / 18,5 / 21,5 / 24 inch
- _ Real-time PLC software based on IEC61131-3
- _ HMI / Visualisations via Web / RDP / VNC / Multi-Client

notion.D3.tablet

- _ Touchscreen panels with ARM® CPU
- _ Screen sizes: 15.6 / 18.5 / 21.5 inches
- _ Real-time PLC software based on IEC 61131-3
- _ HMI / Visualisations via Web / RDP / VNC / Multi-client

notion.D3.terminal

- _ Touch monitors
- _ Screen sizes: 15,6 / 18,5 / 21,5 inch
- _ Graphics interface: HDMI

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Display Size (Resolution)

- 396 mm / 15,6 inch (fullHD)
- 470 mm / 18,5 inch (fullHD)
- 546 mm / 21,5 inch (fullHD)
- 610 mm / 24 inch (fullHD)

RAM

- 8 GByte
- 16 GByte
- 32 GByte

Operating Systems

- none / without
- Windows 11 IoT
- Linux-Debian (open)
- Linux-Embedded

Functionalities

- ☐ notion#plc.x86 for Windows IoT or Linux-Debian (open)
- ☐ notion#plc.x86 for Linux-Embedded
- ☐ notion#client.x86 for Linux-Embedded

CPU / Processor

(System Cooling, Physical Cores / CPU-Mark)

- **CPUa7 x7433RE**
(fanless / 4 / ca. 4.000)
- **CPU14 Ultra 5 125U**
(fanless / 12 / ca. 17.000)
- **CPU14 Ultra 7 165H**
(active cooling / 12 / ca. 26.000)

Drives

- 120 GByte
- 240 GByte
- 480 GByte
- 960 GByte

additional Drives

- none / without
- 120 GByte
- 240 GByte
- 480 GByte
- 960 GByte

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Display size (resolution)

- 396 mm / 15,6 inch (fullHD)
- 470 mm / 18,5 inch (fullHD)
- 546 mm / 21,5 inch (fullHD)

CPU / Processor

(System Cooling, Physical Cores / CPU-Mark)

- **ARM RK3399**
(fanless / 6 / ca. 2.000)

RAM

- 4 GByte

Drives

- 16 GByte

Operating Systems

- none / without
- Linux-Debian (open)
- Linux-Embedded

additional Drives

- none / without

Functionalities

- ☐ notion#client.ARM for Linux-Embedded
- ☐ notion#plc.ARM for Linux-Debian (open)
- ☐ notion#plc.ARM for Linux-Embedded

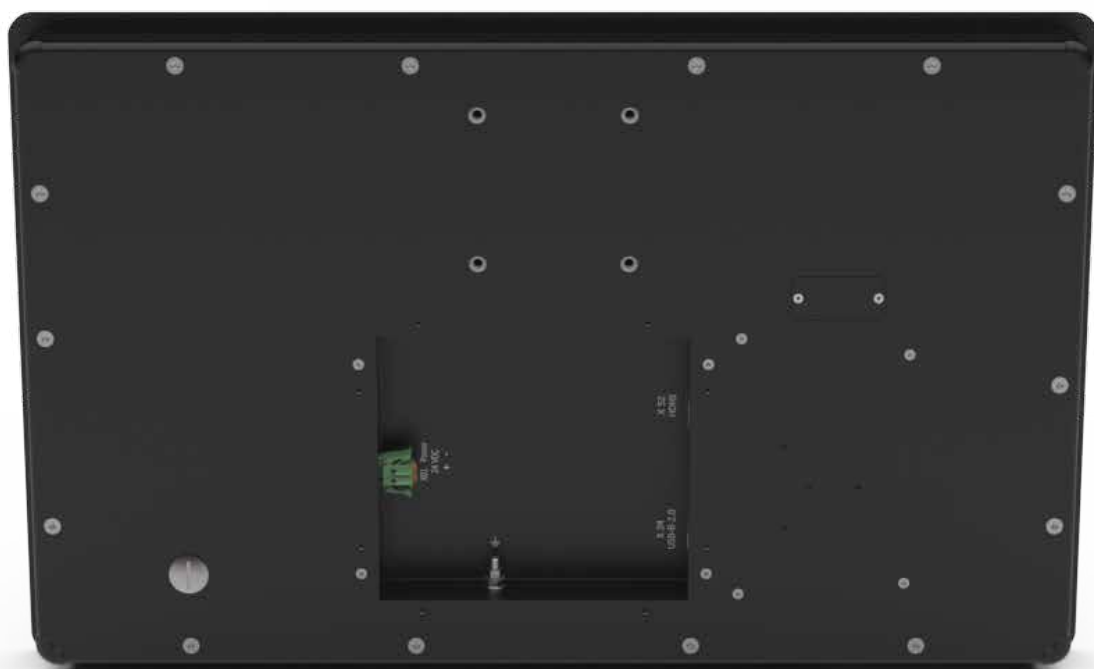
notion.D3.tablet



notion.D3.terminal

Display size (resolution / Interface)

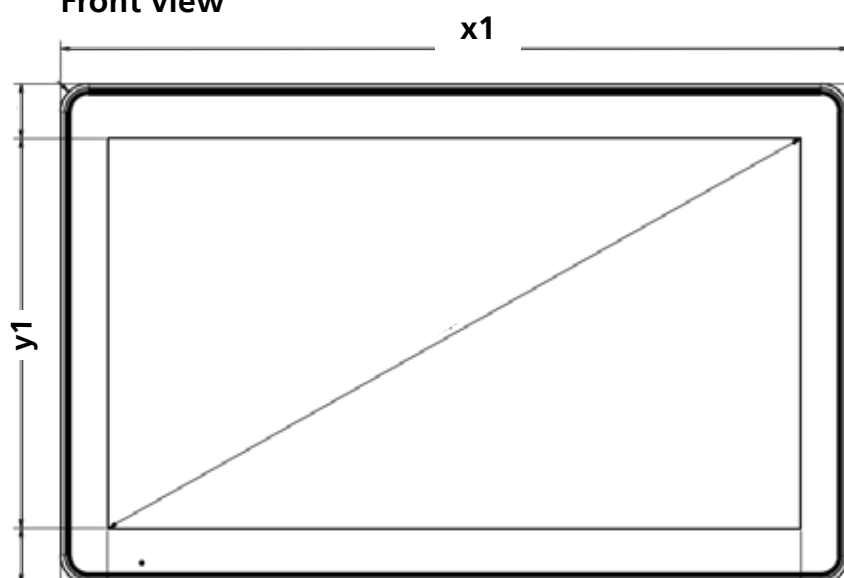
- ☐ 396 mm / 15,6 inch (fullHD / HDMI)
- ☐ 470 mm / 18,5 inch (fullHD / HDMI)
- ☐ 546 mm / 21,5 inch (fullHD / HDMI)



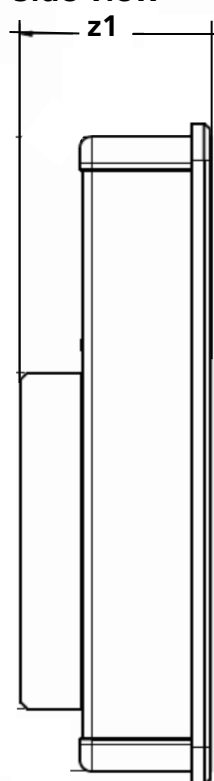
notion.D3 Dimensions

Modell	Dimensions [mm]		
	x1	y1	z1
15,6 inch	405	258	89
18,5 inch	467	296	75
21,5 inch	546	337	69
24 inch	585	352	79

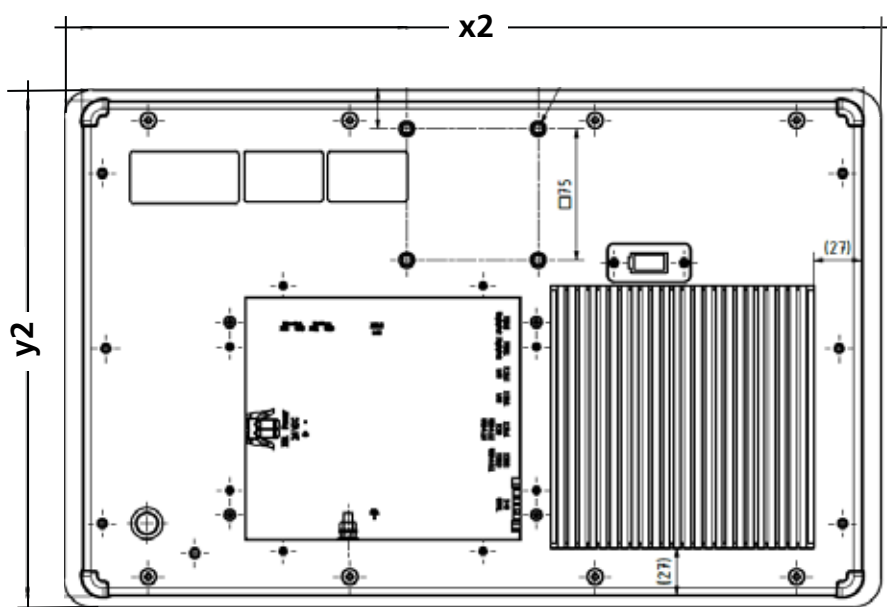
Front view



Side view



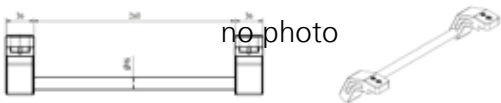
Back view



notion.D3 Accessories

Accessoires	Product Image	Item number
Sealing Kit IP54 (18,5-24 inch)		778-90233
notion Button-Power „on/off“		778-91888
Adapter VESA75 to VESA100		778-90294
Adapter Rittal CP60 landscape		778-90214
Adapter Rittal CP60 portrait		778-90215
VESA75/M12-Connectors		778-90232
Keyboard tray		778-90223
*extension box: Delivery without control elements		
15,6 extension box 4-elements	* 	778-90299
15,6 extension box 7-elements	* 	778-90300
18,5 extension box 5-elements	* 	778-90219
18,5 extension box 9-elements	* 	778-90218
21,5 extension box 6-elements	* 	778-90213
21,5 extension box 11-elements	* 	778-90212
24 extension box 6-elements	* 	778-90260

notion.D3 Accessories

Accessoires	Product Image	Item number
15,6 handle bar (horizontal)	 no photo	778-90305
15,6 handle bar (vertical)	 no photo	778-90306
18,5 handle bar (horizontal)	 no photo	778-90307
18,5 handle bar (vertical)	 no photo	778-90308
21,5 handle bar (horizontal)	 no photo	778-90309
21,5 handle bar (vertical)	 no photo	778-90310
24 handle bar (horizontal)	 no photo	778-90311
24 handle bar (vertical)	 no photo	778-90312
15,x protectiv films anti-glare	 no photo	778-90251
18,5 protectiv films anti-glare		778-90248
21,5 protectiv films anti-glare		778-90252
24 protectiv films anti-glare		778-90253
15,x Hybrid glass (clear)		778-90209
18,5 Hybrid glass (clear)		778-90208
21,5 Hybrid glass (clear)		778-90073
24 Hybrid glass (clear)		778-90237

