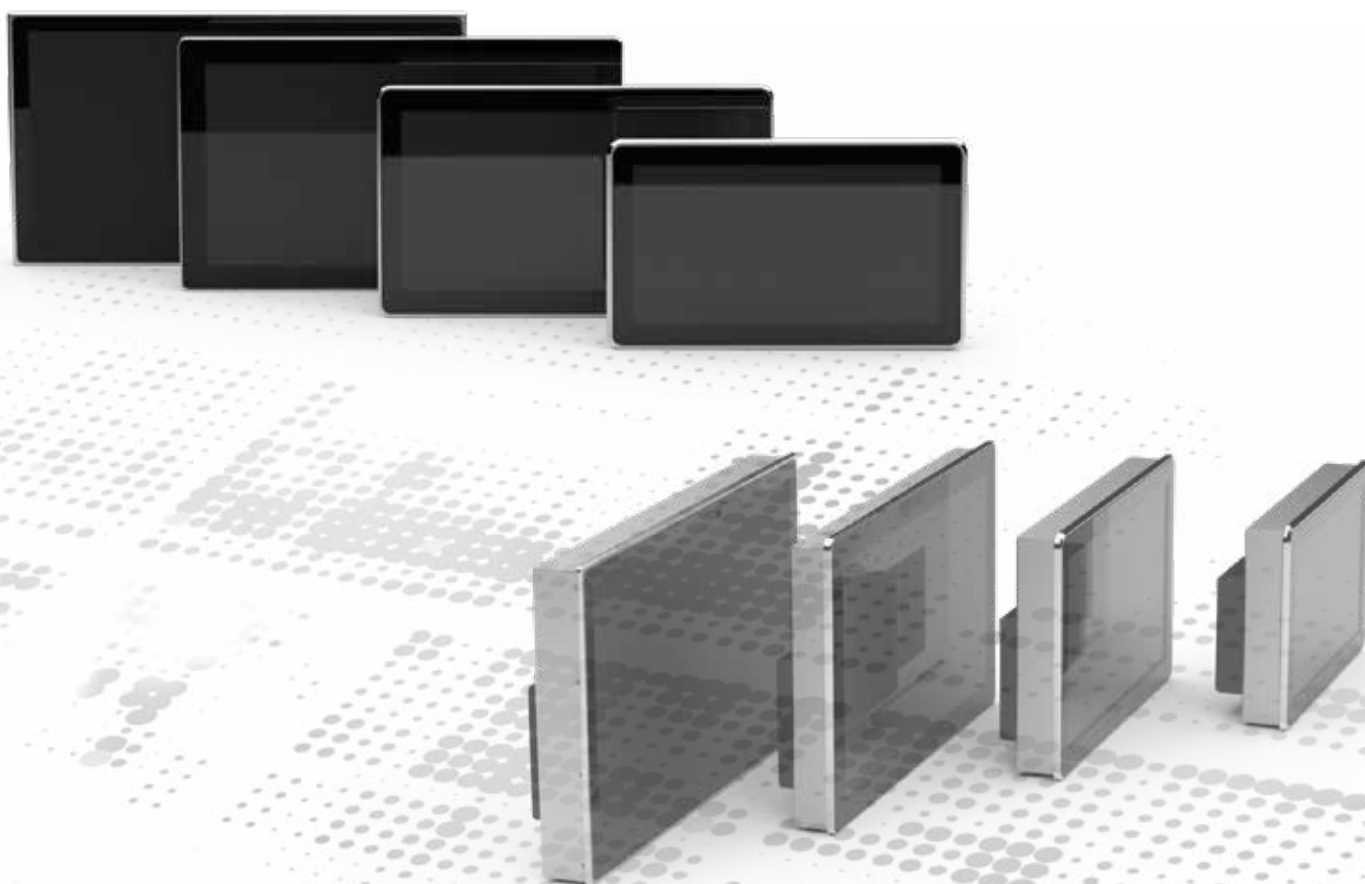


notion.D

**Ultra high performance touchscreen systems
for switch cabinet installation**



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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 switch cabinet 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 in accordance with IEC61131-3
- _ HMI / visualisations via Web / RDP / VNC / multi-client

notion.D.tablet

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

notion.D.terminal

- _ Touchscreen 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)

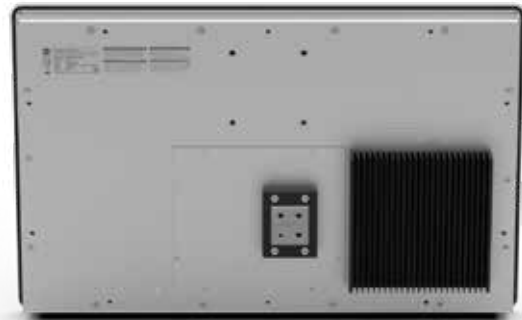
Drives

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

additional Drives

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

notion.D



notion.D.tablet

Display size (resolution)

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

RAM

- 4 GByte

Operating Systems

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

Functionalities

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

CPU / Processor

(System Cooling, Physical Cores / CPU-Mark)

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

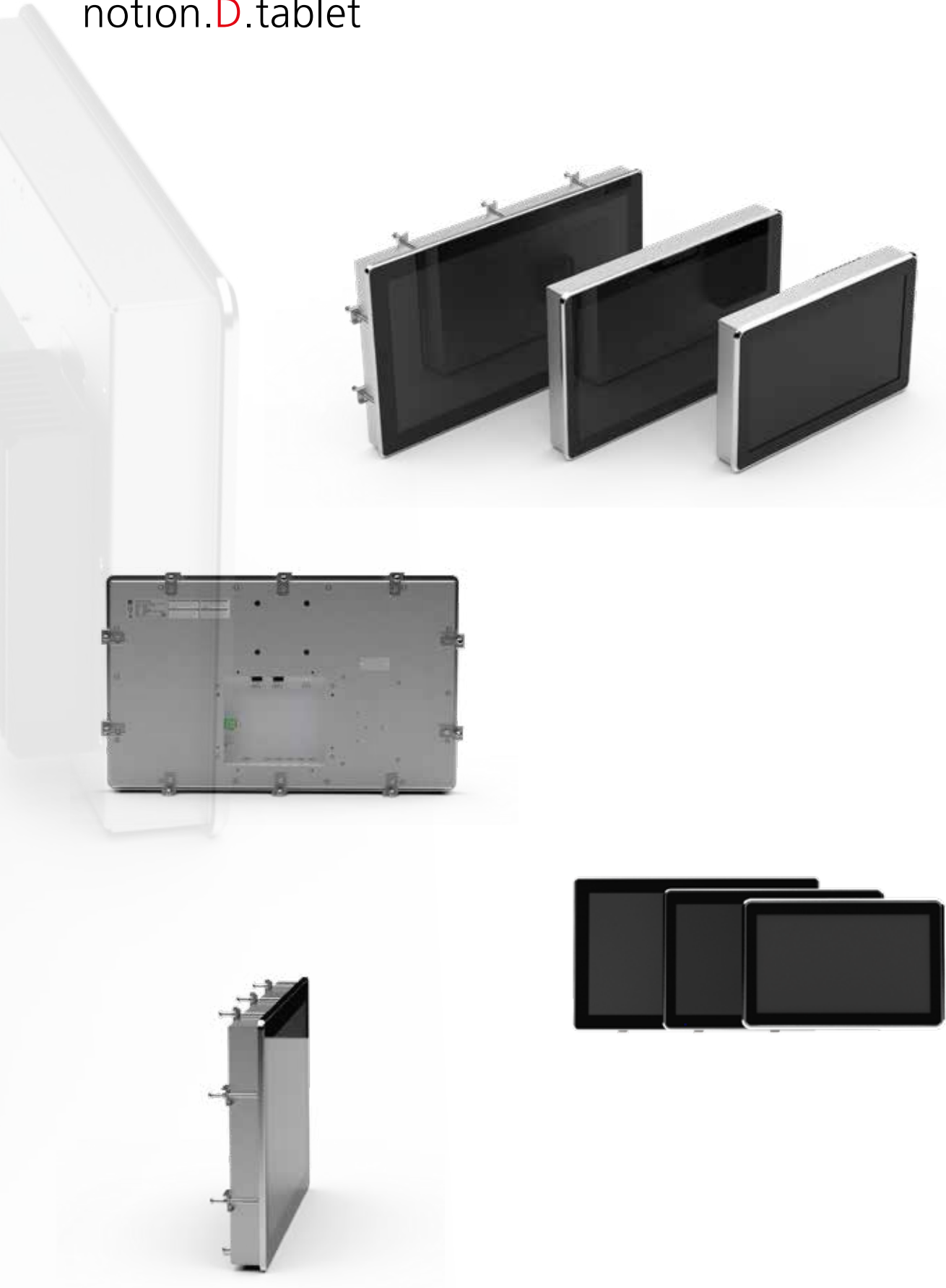
Drives

- 16 GByte

additional Drives

- none / without

notion.D.tablet



notion.D terminal

Display size (resolution / Interface)

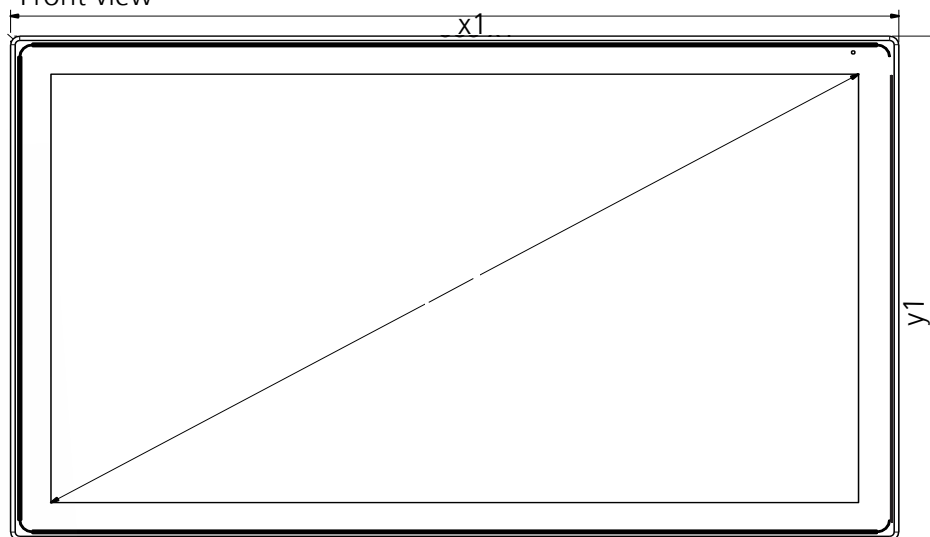
- 396 mm / 15,6 inch (fullHD / HDMI)
- 470 mm / 18,5 inch (fullHD / HDMI)
- 546 mm / 21,5 inch (fullHD / HDMI)



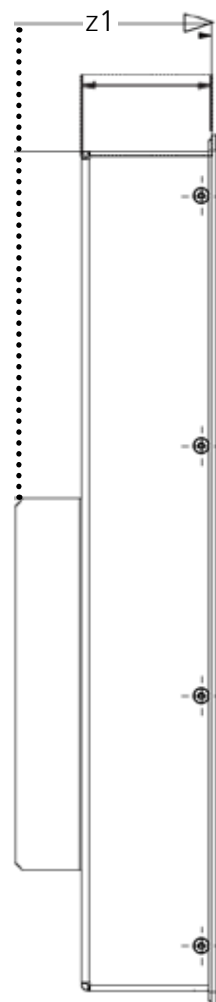
notion.D Dimensions

Modell	Dimensions [mm]			Cut-out dimensions [mm]	
	x1	y1	z1	x2	y2
15,6 inch	405	258	89	247	381
18,5 inch	467	296	82	447	285
21,5 inch	546	337	69	531	324
24 inch	585	352	86	574	342

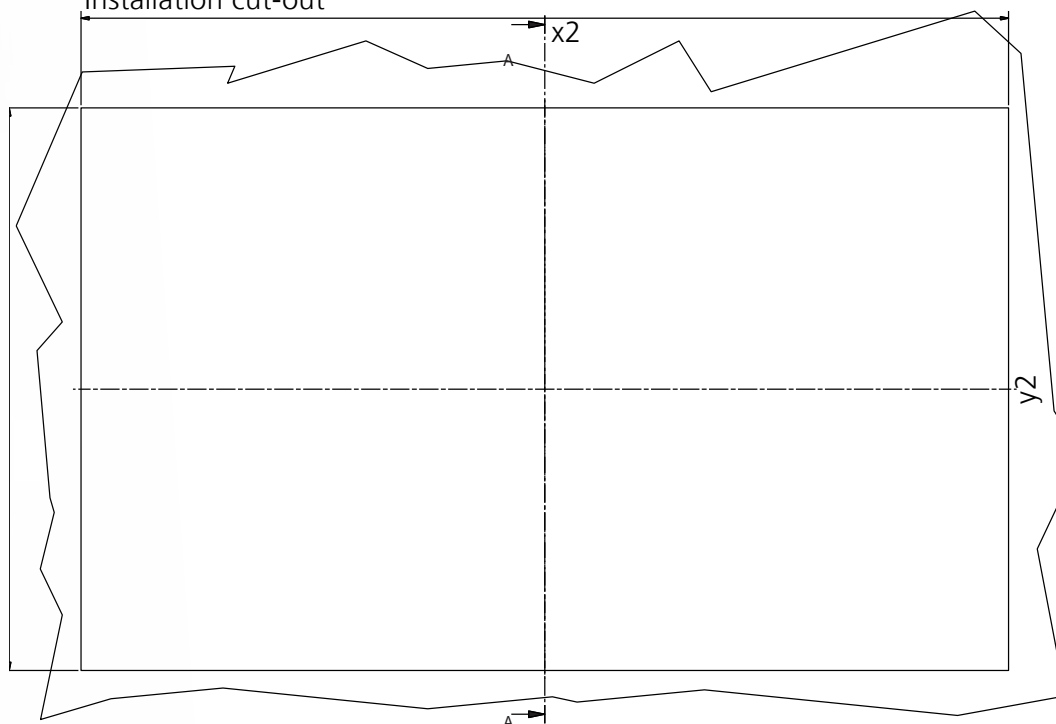
Front view








Side view



Installation cut-out











notion.D Accessories

Accessories	Product image	Item number
Rack mount (15,6-21,5 inch)		778-90058-02
Rack mount (24 inch)		778-90236
Rack mount V2A (15,6-21,5 inch)		778-90296
Sealing Kit IP54 (15,6 inch)		778-90147-01
Sealing Kit Ip54 (18,5-24 inch)		778-90106-01



notion.D Accessories

Accessories	Product image	Item number
15,x protectiv films anti-glare	 no photo	778-90251
18,5 protectiv films anti-glare	 no photo	778-90248
21,5 protectiv films anti-glare	 no photo	778-90252
24 protectiv films anti-glare	 no photo	778-90253
15,x Hybrid glass (clear)	 no photo	778-90209
18,5 Hybrid glass (clear)	 no photo	778-90208
21,5 Hybrid glass (clear)	 no photo	778-90073
24 Hybrid glass (clear)	 no photo	778-90237

