

DATA MODUL presents Wheel on Display: Innovative combination of touchscreen and encoder

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DATA MODUL is expanding its touchscreen portfolio with an innovative input solution: the Wheel on Display (WoD). This technology combines the advantages of an encoder with the flexibility of modern touch technology and offers a new dimension of operation for various industries.

Intuitive control with haptic feedback

The wheel on display serves as the central operating element and enables intuitive control of all main functions. The customisable user interface can be flexibly configured to provide an optimal user experience. Combined with the proven benefits of a PCAP touchscreen, the result is an innovative control solution that offers both tactile feedback and versatile interaction options. Especially in areas where distraction-free operation is required, the haptic feedback ensures greater safety and convenient user guidance.

Flexible design for a wide range of applications

A particular highlight is the variable design of the Wheel on Display. The first different variants will be presented at embedded world 2025 in Nuremberg - as a classic wheel and in a donut version. Many more designs will follow soon.

Simple integration and improved user experience

The Wheel on Display unit can be seamlessly integrated into existing end applications without having to fundamentally change the device design or even break through the cover glass. State-of-the-art touch controller technology enables the perfect combination of touch and rotary control, opening up new design possibilities in GUI design for the customer.

Wide range of applications

Thanks to the combination of touchscreen and encoder, the Wheel on Display opens up a wide range of new potential applications, for example for:

- Medical technology – Precise control with haptic feedback
- Industry & machine control – Reliable operation in challenging environments with gloves or vibration-related influences
- Automotive & e-mobility – Intuitive and safe interaction, ideal for modern vehicle HMIs
- Gaming & Entertainment – Advanced control options for immersive user experiences
- Smart Building & Home Automation – Convenient and intuitive operation for modern and stylish control systems in home and building management

Experience the Wheel on Display and other touchscreen innovations from 11 to 13 March at the EmWo trade fair in Nuremberg, Hall 1, Stand 368. Further information can be found at www.data-modul.com.

About DATA MODUL

As a passionate enabler, DATA MODUL AG does everything in its power to turn customers' visions into reality. With a comprehensive understanding of hardware, software and services as a harmonious unit, the focus is on developing customised display solutions that precisely meet the specific needs and objectives of the customer. The outstanding core competence of DATA MODUL AG lies in customising, whereby the company not only provides products, but rather tailor-made solutions with a clear market focus. With over 50 years of experience, DATA MODUL AG represents financial stability, innovative strength and international growth. Its presence at more than 20 locations worldwide and a total area of around 40,000 square metres for production, logistics and administration enables the company to respond flexibly to global challenges.

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