

DATA MODUL enables IP65-protected loudspeaker and microphone integration behind glass

Munich, 20 October 2025

DATA MODUL now offers industrial customers the option of integrating loudspeakers and microphones directly behind the display glass. This is made possible by close cooperation with specialised glass suppliers who use state-of-the-art laser cutting technologies. This opens up new design options and functionalities – from smart buildings and entertainment to mobility solutions.

Compared to conventional methods such as CNC milling or water jet cutting, laser cutting allows for even more precise cuts, very narrow distances between individual drill holes and a wide variety of shapes. This technology can be used to create innovative designs, particularly for thin glass (1 to 3 mm) with chemical hardening and organic or ceramic printing.

The seamless integration of membrane-protected loudspeakers means that devices with IP65 protection can also be used outdoors. In addition, the laser cutting method also facilitates the implementation of contactless control solutions using hidden microphones – for modern voice control applications.

"Laser cutting technology opens up completely new possibilities and designs in the field of glass manufacturing that were previously not feasible for cost or feasibility reasons. By integrating loudspeakers and microphones without separate components and in an elegant all-in-one design, our customers have new opportunities to equip even unusual locations with their products," explains Sonja Fehn, Product Manager Hardware (Cover Lens, Bonding, Sensors) at DATA MODUL.

As a system integrator, DATA MODUL offers its customers complete solutions – from front-end assemblies to finished systems – including loudspeakers, amplifiers and cabling. Upon request, the company provides a demonstration to showcase the wide range of possible applications.

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.

CONTACT:

DATA MODUL AG

Landsberger Str. 322
D-80687 Munich, Germany
data-modul.com

press@data-modul.com
Tel.: +49 89 56017 0
Fax: +49 89 56017 119