

# DATA MODUL presents innovative chip-on-board LED solution at G2E 2025

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DATA MODUL will be presenting a chip-on-board (COB) direct view LED solution at this year's Global Gaming Expo (G2E) in Las Vegas from 6 to 9 October 2025, which impresses with outstanding image quality, colour consistency and reliable performance.

The COB LED modules which will be shown at the G2E use a modular 2x8 27" LED cabinet with 1.25 mm pixel pitch and full flip-chip COB LED technology. In addition, variants with pixel pitches ranging from 0.4 mm to 1.87 mm are available – ideal for high-resolution applications up to 8K.

The modules incorporate 'Ultra Black Technology' for enhanced contrast and black level performance. With a static contrast ratio of  $\geq 30,000:1$  and a dynamic contrast ratio of  $\geq 300,000:1$ , the DATA MODUL COB LED solution achieves visual brilliance and rich, deep black level. The precision of the display modules impresses with flat surfaces with a tolerance of  $\leq 0.05$  mm, outstanding colour consistency ( $\Delta E \leq 0.5$ ) and virtually seamless joints ( $\leq 0.15$  mm).

The DATA MODUL COB LED solution features an energy-efficient design that enables lower power consumption compared to similar products, while maintaining consistent brightness levels. The surface temperature remains comparatively low during operation. With a brightness of up to 1500 nits and a brightness uniformity of 97%, the display remains clearly readable even in high ambient light conditions. These characteristics support a balanced ratio between performance and energy efficiency.

In addition, the product meets the highest requirements for electromagnetic compatibility (EMC). DATA MODUL offers product solutions with EMC Class A and Class B options to meet the different customers' needs.

With the COB LED solution, the Munich-based full-service display provider focuses on quality, durability and technological innovation: the LED service life of these modules is up to 100,000 hours, and the robust workmanship of the entire unit, including optimised chip bonding with high soldering strength, optional power and signal redundancy design, for stable 24x7 operations.

The LED solutions can be offered in a flat, curved, cornered or a combined format to fit into the onsite applications. Thanks to their versatility and technical properties, COB LED displays are an ideal solution for visual installations in demanding indoor applications, such as those required in airports, event venues, casinos, commercial outlets or corporate environments.

Visitors to G2E 2025 can experience the COB LED solutions and other innovations live from 6 to 9 October at the DATA MODUL stand #1941 in Las Vegas.

Further information can be found at [www.data-modul.com](http://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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