

Small in size, big on performance: DATA MODUL presents the first board of the flexible i.MX8M series

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DATA MODUL announces a new modular embedded board family, equipped with the latest i.MX8M processor series and based on the standard Pico ITX 72x100mm form factor. The new NXP i.MX8Mmini and its scalability from single-core to quad-core means that the processor has greater processing power, with less power dissipation compared to its predecessor, the i.MX6.

The eDM-SBC-iMX8Mmini makes its appearance as the first board in this new modular series. Through a mezzanine module, a full range of graphic interfaces – such as flexible panel interfaces (LVDS / RGB / eDP / MIPI DSI) and monitor interfaces (HDMI / DP / DVI) – are enabled. All modular aspects of the board can be customised or adapted to suit individual customer requirements, thus ensuring simple integration and flexible use.

“The cost effective design of our first board in the new i.MX8M series can be operated with virtually any panel, by means of its unique mezzanine module. The entire panel and touch portfolio from DATA MODUL is thus available to the customer for system integration. This means we can offer our customers maximum flexibility for all intelligent, individual and demanding HMI applications,” explained Richard Pinnow, Head of Product Management for Embedded Solutions at DATA MODUL.

The eDM-SBC-iMX8Mmini is equipped with a 12/24 volt input as standard, but can also be powered with just 5V using a USB 2.0 Micro-B connection, like any USB device. The input of 12/24 volts can also be used as the backlight voltage source for a display, which enables a single supply for the system. Due to its small size, the new board can even be used in panel PCs with a small diagonal of down to 5 inches. Moreover, with the help of the integrated standard M.2 socket, the customer can choose between WLAN/BT and mobile communication (e.g. LTE). Although, the eDM-SBC-iMX8Mmini was designed as a cost effective version for commercial sector, it is also available for the industry-compatible wider temperature range from -40°C to +85°C.

[Further information, as well as a list of all the board's features, can be found here.](#)

About DATA MODUL

DATA MODUL AG is one of the world's leading specialist providers of display, touch, embedded, monitor and panel PC solutions. Since it was established in 1972, it has consistently pursued the objective of providing its customers with state-of-the-art, tailor-made and individually customised complete solutions for display technologies.

Many years of experience in the field of display, touch, embedded and system technologies enable the company to produce customer-specific value-added services for a variety of industries at its 45,000 m² production and logistics facilities. The extensive distribution portfolio of displays, touchscreens and embedded solutions and the increasingly innovative in-house developments complete the unique modular product portfolio.

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