

Official Launch of Variscite's i.MX8X System on Module

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[Tel-Aviv, Israel, May 15, 2020] Variscite, a System on Module global market leader and NXP's partner, has re-launched its VAR-SOM-MX8X, an i.MX8X-based System on Module, with the latest i.MX8X silicon version for full production. Variscite's launch takes place along with NXP's formal broad market launch, following NXP's introduction of the new silicon version earlier this quarter as the qualified revision for production. The VAR-SOM-MX8X has already been launched by Variscite last year and was available to Variscite's early-access customers, allowing them to leverage the i.MX8X technology for new developments much earlier than the broad market launch.

The SoM expands the solutions range offered by the VAR-SOM Pin2Pin product family and provides a pin-compatible option to i.MX8, i.MX8M, i.MX8M Mini, i.MX8M Nano, i.MX6, i.MX6UL/ULL/ULZ and the upcoming i.MX8M Plus based modules. This extensive products family allows Variscite's customers ultimate scalability, extended lifetime, and reduced development time, costs, and risk.

The VAR-SOM-MX8X is based on i.MX 8QuadXPlus / 8DualXPlus / 8DualX processor with up to Quad 1.2GHz Cortex-A35. Thanks to the integration of ARM's most efficient Cortex-A35 cores with the Cortex-M4F real-time co-processor, the VAR-SOM-MX8X offers high processing capabilities in a power-optimized platform. In addition, the SoM provides a highly integrated solution with Vivante GC7000Lite GPU for 2D and 3D graphics acceleration, 4K H.265 Decode, 1080p H.264 Encode/Decode, Camera Interfaces, DSI / LVDS, Parallel LCD, dual GbE, certified Wi-Fi/BT, CAN/CAN-FD, USB3 and serial interfaces.

Availability and pricing

The VAR-SOM-MX8X System on Module and associated evaluation kits are available for orders in production quantities from only \$79 per unit for 1Kpcs orders. Please contact Variscite's Sales team for further details.

Contact information:

<https://www.variscite.com/>

Email sales@variscite.com

Product key features:

- ? NXP iMX8X 1.2GHz Quad-Core Cortex-A35
- ? Real-time 264MHz Cortex-M4F co-processor
- ? Up to 4GB LPDDR4, 64GB eMMC
- ? Integrated security and fail-safe features

- ? 2D/3D graphics acceleration
- ? 24-bit parallel LCD, LVDS/DSI
- ? 4K H.265 Decode, 1080p H.264 Encode/Decode
- ? HQ audio in/out
- ? Camera in: 1x MIPI-CSI2, 1x parallel CSI 8/10-bit
- ? 2x GbE, 2x USB 3.0, PCI-E
- ? Analog input, CAN/CAN-FD, UART, SPI, I2C, SD/MMC, touch
- ? Certified Wi-Fi 802.11 ac/a/b/g/n + BT4.2/BLE
- ? Temperature range -40 to 85° C
- ? OS: Linux, Android
- ? Up to 15 years longevity

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